

2016 IPHC Stock Assessment Survey All Regions

Station	Reg Area	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set ¹	O32 Halibut		U32 Halibut		Bycatch (numbers) ³		
								Lbs. ²	#s	Lbs. ²	#s	Sablefish	P. Cod	Rockfish
1001	2A	Oregon	7/17	42° 00.01'	-124° 27.00'	51	6.1	0	0	7	1	0	0	0
1003	2A	Oregon	7/15	42° 19.94'	-124° 41.00'	162	6.1	23	1	11	1	45	0	0
1004	2A	Oregon	7/15	42° 29.98'	-124° 41.00'	62	6.1	282	8	8	1	0	0	5
1005	2A	Oregon	7/18	42° 39.97'	-124° 40.01'	78	6.0	39	2	0	0	5	0	0
1006	2A	Oregon	7/18	42° 49.93'	-124° 40.00'	44	6.0	76	3	17	2	0	0	0
1007	2A	Oregon	7/18	42° 50.00'	-124° 54.00'	214	6.1	0	0	0	0	30	0	0
1008	2A	Oregon	7/19	43° 00.02'	-124° 37.89'	61	6.1	588	35	106	13	0	0	0
1009	2A	Oregon	7/19	43° 00.05'	-124° 54.00'	213	6.0	15	1	0	0	20	0	0
1010	2A	Oregon	7/12	43° 10.07'	-124° 40.00'	79	6.1	213	7	0	0	0	0	5
1011	2A	Oregon	7/11	43° 19.94'	-124° 40.00'	101	6.1	169	7	9	1	0	0	0
1012	2A	Oregon	7/11	43° 29.94'	-124° 25.99'	61	6.1	16	1	7	1	0	0	0
1013	2A	Oregon	7/11	43° 29.88'	-124° 40.00'	199	6.1	18	1	0	0	45	0	0
1014	2A	Oregon	7/10	43° 40.00'	-124° 26.00'	66	6.0	17	1	0	0	0	0	0
1015	2A	Oregon	7/10	43° 39.88'	-124° 39.99'	226	6.0	0	0	0	0	70	0	0
1016	2A	Oregon	7/9	43° 49.99'	-124° 26.00'	66	6.0	19	1	19	2	0	0	0
1017	2A	Oregon	7/10	43° 49.98'	-124° 40.01'	199	6.1	39	2	0	0	60	0	0
1018	2A	Oregon	7/1	43° 59.96'	-124° 26.00'	67	6.0	334	13	0	0	5	0	0
1019	2A	Oregon	7/1	44° 00.02'	-124° 40.00'	75	6.1	0	0	0	0	0	0	0
1020	2A	Oregon	7/8	43° 59.96'	-124° 54.00'	48	6.0	138	5	0	0	0	0	45
1021	2A	Oregon	6/30	44° 09.97'	-124° 12.00'	31	6.1	0	0	0	0	0	0	0
1022	2A	Oregon	7/1	44° 09.94'	-124° 26.00'	55	6.0	34	2	0	0	5	0	0
1023	2A	Oregon	7/8	44° 09.87'	-124° 40.00'	65	6.0	281	13	35	4	0	0	0
1024	2A	Oregon	7/8	44° 09.95'	-124° 54.00'	69	6.0	1,497	58	75	8	0	0	0
1025	2A	Oregon	6/30	44° 19.98'	-124° 12.00'	30	6.1	0	0	0	0	0	0	0
1026	2A	Oregon	7/2	44° 20.00'	-124° 26.00'	48	6.1	81	4	11	1	0	0	0
1027	2A	Oregon	7/2	44° 19.99'	-124° 40.00'	52	6.1	706	31	28	3	0	0	5
1028	2A	Oregon	6/30	44° 29.97'	-124° 12.00'	30	6.1	0	0	0	0	0	0	0
1029	2A	Oregon	7/2	44° 29.89'	-124° 40.00'	108	6.0	121	8	42	5	95	0	0
1030	2A	Oregon	6/29	44° 39.95'	-124° 11.00'	34	6.1	0	0	0	0	0	0	0
1031	2A	Oregon	6/29	44° 39.96'	-124° 25.00'	52	6.0	936	40	193	23	0	0	10
1032	2A	Oregon	7/3	44° 39.97'	-124° 40.00'	157	6.0	43	2	10	1	20	0	0
1033	2A	Oregon	7/3	44° 39.68'	-124° 54.00'	285	6.1	0	0	0	0	35	0	0
1034	2A	Oregon	6/27	44° 49.94'	-124° 11.00'	43	6.1	20	1	9	1	0	0	0
1035	2A	Oregon	6/26	44° 49.92'	-124° 25.00'	83	6.1	611	40	227	25	5	0	0
1036	2A	Oregon	6/26	44° 49.85'	-124° 39.00'	198	6.1	0	0	0	0	56	0	10
1037	2A	Oregon	6/27	44° 59.94'	-124° 11.00'	62	6.0	19	1	14	2	0	0	0
1038	2A	Oregon	6/27	45° 00.00'	-124° 25.00'	148	6.0	225	10	10	1	55	0	0
1039	2A	Oregon	6/26	44° 59.97'	-124° 39.00'	252	6.0	0	0	0	0	25	0	0
1040	2A	Oregon	6/24	45° 09.97'	-124° 11.00'	71	6.0	137	6	43	5	20	0	0
1041	2A	Oregon	6/25	45° 09.91'	-124° 25.00'	201	6.0	27	1	0	0	55	0	0
1042	2A	Oregon	6/24	45° 19.96'	-124° 11.01'	72	6.1	237	13	59	7	5	0	0
1043	2A	Washington	6/25	45° 19.99'	-124° 25.00'	196	6.0	0	0	0	0	38	0	0
1044	2A	Washington	6/25	45° 20.04'	-124° 39.00'	253	6.1	0	0	0	0	25	0	0
1045	2A	Washington	6/24	45° 29.96'	-124° 11.01'	68	6.0	110	7	58	8	10	0	0
1046	2A	Washington	6/23	45° 29.86'	-124° 25.00'	112	6.0	79	5	26	3	45	0	0
1047	2A	Washington	6/23	45° 29.95'	-124° 39.00'	259	6.1	0	0	0	0	50	0	5
1048	2A	Washington	6/19	45° 39.95'	-124° 10.00'	57	6.0	180	11	19	2	0	0	0
1049	2A	Washington	6/19	45° 39.98'	-124° 24.98'	91	6.0	33	3	38	4	20	0	0
1050	2A	Washington	6/23	45° 39.89'	-124° 39.02'	185	6.0	28	2	0	0	35	0	5
1051	2A	Washington	6/19	45° 49.99'	-124° 10.00'	53	6.0	129	9	56	7	0	0	0
1052	2A	Washington	6/18	45° 49.98'	-124° 25.00'	82	6.0	93	5	0	0	0	0	0
1053	2A	Washington	6/18	45° 49.97'	-124° 39.00'	111	6.0	268	14	10	1	90	0	0
1054	2A	Washington	6/17	46° 00.09'	-124° 10.01'	47	6.0	102	7	38	5	0	0	0
1055	2A	Washington	6/17	45° 59.97'	-124° 24.00'	77	6.1	24	1	7	1	0	0	0
1056	2A	Washington	6/18	45° 59.94'	-124° 39.00'	103	6.1	120	6	10	1	28	0	0
1057	2A	Washington	6/16	46° 09.97'	-124° 39.00'	131	6.1	25	2	45	5	86	0	5
1058	2A	Washington	6/16	46° 20.01'	-124° 24.00'	64	6.0	141	7	0	0	15	0	0
1059	2A	Washington	6/15	46° 30.02'	-124° 24.01'	51	6.0	84	5	85	11	0	0	0
1060	2A	Washington	6/15	46° 39.94'	-124° 24.00'	44	6.1	258	14	95	12	5	0	0
1061	2A	Washington	6/12	46° 39.96'	-124° 38.00'	75	6.1	547	37	159	19	10	0	15
1062	2A	Washington	6/15	46° 49.98'	-124° 23.99'	38	6.0	22	1	0	0	0	0	0
1063	2A	Washington	6/12	46° 49.92'	-124° 38.00'	66	6.0	552	34	200	22	0	0	0
1064	2A	Washington	6/12	46° 50.00'	-124° 53.00'	110	6.1	535	35	171	20	91	0	10
1065	2A	Washington	6/13	46° 59.98'	-124° 24.00'	30	6.0	28	1	0	0	0	0	0
1066	2A	Washington	6/13	46° 59.72'	-124° 37.89'	51	6.1	75	5	52	6	0	0	0
1067	2A	Washington	6/11	46° 59.98'	-124° 53.00'	92	6.0	107	6	17	2	0	0	0
1068	2A	Washington	6/13	47° 09.98'	-124° 24.00'	25	6.0	15	1	0	0	0	0	0

¹ Skate = 1,800' groundline, 16/0 circle hooks at 18' spacing, 24"-42" gangions.

² Weights calculated from length-weight tables.

³ Bycatch extrapolated from 20% subsample, except 2B (100%) and select stations in 2A

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Station	Reg Area	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set ¹	O32 Halibut		U32 Halibut		Bycatch (numbers) ³		
								Lbs. ²	#s	Lbs. ²	#s	Sablefish	P. Cod	Rockfish
1069	2A	Washington	6/11	47° 09.89'	-124° 38.00'	48	6.0	72	4	120	16	0	0	0
1070	2A	Washington	6/11	47° 09.98'	-124° 53.00'	84	6.1	158	10	345	44	0	0	5
1071	2A	Washington	6/10	47° 19.98'	-124° 38.00'	48	6.0	31	1	5	1	0	0	0
1072	2A	Washington	6/10	47° 30.04'	-124° 53.00'	92	6.0	226	14	164	19	10	0	0
1073	2A	Washington	6/9	47° 39.99'	-124° 38.00'	26	6.0	692	35	19	2	0	0	0
1074	2A	Washington	6/9	47° 39.94'	-124° 53.00'	61	6.0	164	9	43	6	0	0	0
1075	2A	Washington	6/9	47° 49.98'	-124° 53.00'	54	6.0	89	6	114	15	0	0	0
1076	2A	Washington	6/1	47° 50.00'	-125° 08.00'	156	6.0	67	5	0	0	38	0	9
1077	2A	Washington	6/1	47° 59.95'	-124° 53.00'	35	6.1	319	16	60	7	0	0	0
1078	2A	Washington	6/1	48° 00.06'	-125° 08.00'	79	6.0	264	20	222	27	0	0	0
1079	2A	Washington	6/4	47° 59.89'	-125° 38.00'	186	6.0	289	18	83	9	69	0	50
1080	2A	Washington	5/31	48° 09.98'	-124° 53.00'	33	5.9	96	6	18	2	0	0	0
1081	2A	Washington	5/31	48° 09.98'	-125° 08.00'	85	6.0	318	17	111	12	2	2	1
1082	2A	Washington	6/2	48° 09.97'	-125° 23.00'	61	6.0	157	12	114	14	0	0	18
1083	2A	Washington	6/3	48° 09.93'	-125° 38.00'	93	6.0	38	3	11	1	0	0	0
1084	2A	Washington	6/2	48° 20.01'	-125° 23.00'	67	6.0	112	6	23	3	0	0	2
1101	2A	Oregon	7/12	43° 19.98'	-124° 26.00'	29	6.0	0	0	0	0	0	0	0
1102	2A	Oregon	7/9	43° 50.00'	-124° 12.00'	20	6.0	0	0	0	0	0	0	0
1103	2A	Oregon	7/9	43° 59.97'	-124° 12.00'	29	6.1	0	0	0	0	0	0	0
1104	2A	Oregon	6/29	44° 29.98'	-124° 26.00'	38	6.0	1,186	49	111	13	0	0	10
1105	2A	Oregon	7/3	44° 29.77'	-124° 54.01'	242	6.0	0	0	0	0	30	0	0
1107	2A	Washington	6/17	46° 10.00'	-124° 10.01'	31	6.0	158	10	79	9	0	0	0
1108	2A	Washington	6/16	46° 09.96'	-124° 24.00'	67	6.0	420	27	143	17	5	0	0
1115	2A	Washington	6/10	47° 30.00'	-124° 38.00'	38	6.1	140	5	17	2	0	0	0
1126	2A	Washington	5/30	48° 19.00'	-124° 22.92'	32	6.0	113	6	15	2	0	0	0
1517	2A	Washington	5/31	48° 19.99'	-124° 53.00'	111	6.0	147	9	9	1	5	1	1
1519	2A	Washington	6/2	48° 20.08'	-125° 08.00'	75	6.1	93	5	44	5	1	0	0
1525	2A	Washington	5/30	48° 30.00'	-124° 52.79'	62	6.0	1,071	56	369	42	2	2	0
2001	2B	Vancouver	7/14	48° 19.98'	-125° 37.97'	77	6.0	14	1	20	2	1	0	0
2002	2B	Vancouver	7/14	48° 19.85'	-125° 52.99'	172	6.1	0	0	0	0	108	0	10
2003	2B	Vancouver	7/12	48° 30.15'	-125° 23.02'	80	6.0	0	0	0	0	3	0	0
2004	2B	Vancouver	7/14	48° 30.05'	-125° 37.99'	53	6.0	134	4	46	6	1	1	0
2005	2B	Vancouver	7/17	48° 30.02'	-125° 53.04'	58	6.0	131	7	50	6	0	0	4
2006	2B	Vancouver	7/17	48° 30.02'	-126° 07.99'	109	6.0	390	22	55	6	106	1	2
2007	2B	Vancouver	7/12	48° 39.98'	-125° 07.41'	35	6.0	579	21	17	2	0	0	42
2008	2B	Vancouver	7/12	48° 39.99'	-125° 23.17'	35	6.0	191	9	15	2	0	0	0
2009	2B	Vancouver	7/13	48° 39.99'	-125° 38.03'	69	6.0	51	2	9	1	0	1	1
2010	2B	Vancouver	7/13	48° 40.17'	-125° 52.95'	41	6.0	130	9	229	29	0	0	0
2011	2B	Vancouver	7/17	48° 40.01'	-126° 07.99'	78	6.0	23	1	6	1	0	2	1
2012	2B	Vancouver	7/13	48° 50.00'	-125° 37.12'	25	6.0	768	25	0	0	0	0	19
2013	2B	Vancouver	7/13	48° 50.00'	-125° 53.15'	33	6.0	720	24	53	7	0	0	10
2014	2B	Vancouver	7/17	48° 50.11'	-126° 07.97'	58	5.9	39	1	73	9	0	8	0
2015	2B	Vancouver	7/18	48° 49.93'	-126° 22.97'	97	6.0	122	8	48	5	52	0	1
2016	2B	Vancouver	7/18	49° 00.00'	-126° 08.14'	38	6.0	806	40	308	39	0	0	2
2017	2B	Vancouver	7/18	49° 00.03'	-126° 23.04'	76	6.0	228	12	235	30	1	0	0
2018	2B	Vancouver	7/18	48° 59.99'	-126° 37.93'	126	6.0	204	12	52	6	67	0	7
2019	2B	Vancouver	7/19	49° 10.01'	-126° 23.09'	47	6.0	73	5	140	19	0	0	0
2020	2B	Vancouver	7/19	49° 10.00'	-126° 37.92'	68	6.0	31	2	156	20	4	2	0
2021	2B	Vancouver	7/19	49° 10.00'	-126° 52.81'	94	6.0	218	13	216	25	2	3	3
2023	2B	Vancouver	7/21	49° 19.99'	-126° 23.02'	21	6.0	159	8	50	6	0	0	0
2024	2B	Vancouver	7/21	49° 20.00'	-126° 38.30'	39	6.0	1,336	37	44	6	0	0	31
2025	2B	Vancouver	7/19	49° 20.11'	-126° 53.02'	76	6.0	258	17	531	67	2	0	0
2026	2B	Vancouver	7/20	49° 20.00'	-127° 09.01'	102	6.0	674	45	636	73	76	1	5
2027	2B	Vancouver	7/21	49° 30.00'	-126° 38.00'	23	6.0	310	12	10	1	0	0	6
2028	2B	Vancouver	7/20	49° 30.06'	-126° 53.00'	50	6.0	71	2	68	10	1	0	1
2029	2B	Vancouver	7/20	49° 30.01'	-127° 09.01'	79	6.0	85	5	307	43	7	1	1
2030	2B	Vancouver	7/20	49° 39.94'	-127° 09.00'	63	6.0	193	14	613	83	1	2	0
2031	2B	Vancouver	7/25	49° 39.99'	-127° 23.79'	122	6.0	403	24	153	18	90	0	38
2032	2B	Vancouver	7/25	49° 49.95'	-127° 24.02'	44	6.0	269	17	216	25	0	0	0
2033	2B	Vancouver	7/25	49° 49.93'	-127° 40.00'	97	6.0	111	7	73	9	48	0	18
2034	2B	Vancouver	7/25	49° 59.97'	-127° 40.00'	46	6.0	372	20	187	24	1	0	3
2035	2B	Vancouver	7/26	50° 19.98'	-128° 11.00'	88	6.0	873	50	1,029	122	0	6	53
2037	2B	Vancouver	7/26	50° 29.93'	-128° 27.00'	103	6.0	842	42	260	29	67	1	37
2038	2B	Vancouver	7/26	50° 39.83'	-128° 27.98'	50	6.0	92	7	527	67	0	0	0
2039	2B	Vancouver	7/27	50° 40.00'	-128° 43.88'	104	6.0	192	12	83	10	41	2	2
2040	2B	Vancouver	7/27	50° 50.00'	-128° 27.91'	31	6.0	1,108	42	173	20	0	0	2
2041	2B	Vancouver	7/30	50° 59.98'	-127° 57.02'	62	6.0	135	6	30	4	1	0	0

¹ Skate = 1,800' groundline, 16/0 circle hooks at 18' spacing, 24"-42" gangions.

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								Lbs. ²	#s	Lbs. ²	#s	Sablefish	P. Cod	Rockfish
2042	2B	Vancouver	7/30	50° 59.97'	-128° 13.16'	55	6.0	0	0	0	0	19	0	0
2043	2B	Vancouver	7/30	51° 09.86'	-127° 56.00'	68	6.0	531	38	387	49	2	0	0
2044	2B	Goose Is.	8/9	50° 49.77'	-129° 00.01'	48	6.0	956	26	98	13	0	0	40
2045	2B	Goose Is.	8/9	50° 50.20'	-129° 16.00'	68	6.0	1,669	63	383	46	0	0	13
2046	2B	Goose Is.	7/28	51° 00.10'	-128° 27.99'	53	6.0	308	15	177	22	0	0	0
2047	2B	Goose Is.	7/29	50° 59.98'	-128° 44.03'	36	6.0	1,218	44	142	19	0	0	2
2048	2B	Goose Is.	7/29	50° 59.98'	-129° 00.00'	45	6.0	190	12	195	24	0	0	0
2049	2B	Goose Is.	8/9	51° 00.00'	-129° 16.23'	87	6.0	82	5	137	19	3	1	0
2050	2B	Goose Is.	8/9	50° 59.99'	-129° 31.68'	131	6.0	810	32	137	15	30	0	63
2051	2B	Goose Is.	7/28	51° 09.99'	-128° 11.98'	55	6.0	704	33	361	44	0	0	2
2052	2B	Goose Is.	7/28	51° 10.03'	-128° 28.00'	106	6.0	116	8	31	4	22	0	1
2053	2B	Goose Is.	7/29	51° 10.00'	-128° 44.05'	54	6.0	63	5	619	91	0	0	0
2054	2B	Goose Is.	7/29	51° 09.93'	-129° 00.25'	74	6.0	231	15	589	74	0	1	0
2055	2B	Goose Is.	8/10	51° 10.12'	-129° 15.99'	150	6.0	550	27	94	11	26	0	18
2056	2B	Goose Is.	8/10	51° 10.15'	-129° 31.92'	156	6.0	388	24	26	3	22	0	3
2057	2B	Goose Is.	8/6	51° 19.67'	-127° 55.02'	72	6.0	1,007	34	101	12	10	1	7
2058	2B	Goose Is.	8/6	51° 20.02'	-128° 10.98'	48	6.0	16	1	21	3	17	1	0
2059	2B	Goose Is.	8/13	51° 19.99'	-128° 26.86'	82	6.0	27	2	40	4	7	0	1
2060	2B	Goose Is.	8/13	51° 19.91'	-128° 42.52'	113	5.8	269	18	82	9	23	3	14
2061	2B	Goose Is.	8/13	51° 20.04'	-128° 59.90'	135	6.0	535	35	124	14	16	0	29
2062	2B	Goose Is.	8/10	51° 20.07'	-129° 15.00'	129	6.0	616	47	449	50	15	0	31
2063	2B	Goose Is.	8/10	51° 19.82'	-129° 31.00'	114	6.0	825	46	201	24	9	1	15
2064	2B	Goose Is.	8/11	51° 20.45'	-129° 47.00'	131	6.0	277	12	75	9	28	0	12
2065	2B	Goose Is.	8/6	51° 29.76'	-128° 10.95'	47	6.0	325	12	37	5	1	0	13
2066	2B	Goose Is.	8/5	51° 30.00'	-128° 26.68'	102	6.0	65	3	0	0	37	0	23
2067	2B	Goose Is.	8/5	51° 30.00'	-128° 42.30'	57	6.0	181	12	270	35	1	0	0
2068	2B	Goose Is.	8/2	51° 30.06'	-128° 58.99'	25	6.0	436	21	103	11	0	0	2
2069	2B	Goose Is.	8/2	51° 30.13'	-129° 15.06'	27	6.0	70	5	64	7	0	0	2
2070	2B	Goose Is.	8/12	51° 30.00'	-129° 30.82'	55	6.0	3,361	120	314	37	0	0	48
2071	2B	Goose Is.	8/11	51° 30.12'	-129° 47.01'	93	6.0	1,343	82	377	41	14	0	113
2072	2B	Goose Is.	8/11	51° 29.62'	-130° 03.00'	172	6.0	184	8	28	3	70	1	70
2073	2B	Goose Is.	8/5	51° 39.78'	-128° 26.00'	78	6.0	191	13	52	6	16	0	7
2074	2B	Goose Is.	8/2	51° 40.08'	-128° 58.96'	28	6.0	172	11	50	6	0	0	0
2075	2B	Goose Is.	8/2	51° 39.98'	-129° 14.93'	31	5.9	424	28	487	59	0	0	0
2076	2B	Goose Is.	8/12	51° 40.29'	-129° 31.00'	54	6.0	264	21	732	93	0	0	3
2077	2B	Goose Is.	8/12	51° 39.69'	-129° 46.51'	133	6.0	514	30	106	11	36	0	13
2078	2B	Goose Is.	8/5	51° 50.08'	-128° 26.00'	90	6.0	0	0	8	1	10	0	20
2079	2B	Goose Is.	8/4	51° 49.89'	-128° 42.00'	55	6.0	65	5	233	32	0	0	0
2080	2B	Goose Is.	8/3	51° 50.30'	-128° 58.00'	45	6.0	729	48	426	54	0	0	34
2081	2B	Goose Is.	8/3	51° 49.99'	-129° 14.10'	66	6.0	120	7	234	33	0	0	0
2082	2B	Goose Is.	8/12	51° 49.88'	-129° 30.99'	139	6.0	79	5	0	0	32	0	5
2083	2B	Goose Is.	8/4	52° 00.09'	-128° 42.00'	89	6.0	364	25	178	20	20	0	9
2084	2B	Goose Is.	8/3	52° 00.40'	-128° 58.00'	87	6.0	919	61	535	61	13	0	5
2085	2B	Goose Is.	8/3	51° 59.84'	-129° 14.00'	97	6.0	80	4	45	5	12	0	1
2086	2B	Goose Is.	8/4	52° 10.24'	-128° 40.91'	122	6.0	331	10	32	4	20	0	58
2087	2B	St. James	6/29	51° 39.98'	-130° 03.01'	194	6.0	153	11	76	9	57	0	4
2088	2B	St. James	6/29	51° 39.99'	-130° 19.05'	141	6.1	1,202	48	81	9	25	0	25
2089	2B	St. James	7/5	51° 50.00'	-129° 47.03'	140	6.0	63	3	6	1	16	0	2
2090	2B	St. James	7/6	51° 50.01'	-130° 03.01'	99	6.0	1,411	59	212	24	16	0	55
2091	2B	St. James	6/29	51° 49.98'	-130° 18.98'	116	6.1	1,225	55	140	16	11	1	85
2092	2B	St. James	6/28	51° 50.12'	-130° 34.86'	166	6.0	1,271	58	179	21	6	0	15
2093	2B	St. James	6/28	51° 50.07'	-130° 52.07'	100	6.0	557	13	11	1	1	0	163
2094	2B	St. James	7/5	51° 59.00'	-129° 25.94'	117	6.0	12	1	0	0	12	0	46
2095	2B	St. James	7/5	51° 59.97'	-129° 47.09'	62	6.1	632	29	269	34	0	0	44
2096	2B	St. James	7/6	52° 00.08'	-130° 03.04'	76	6.0	515	32	559	73	0	0	5
2097	2B	St. James	7/6	52° 00.21'	-130° 19.05'	192	6.1	896	34	43	5	26	0	6
2098	2B	St. James	6/27	51° 59.96'	-130° 35.03'	142	6.0	965	46	107	11	14	0	2
2099	2B	St. James	6/28	51° 59.95'	-130° 52.07'	100	6.0	1,226	45	386	44	1	2	4
2100	2B	St. James	7/23	52° 10.03'	-128° 56.86'	91	6.1	440	30	177	21	6	1	27
2101	2B	St. James	7/23	52° 09.94'	-129° 13.98'	94	6.1	13	1	18	3	16	0	6
2102	2B	St. James	7/25	52° 10.00'	-129° 29.82'	115	6.1	26	2	18	2	16	0	9
2103	2B	St. James	7/25	52° 10.02'	-129° 45.95'	113	6.0	263	12	57	7	4	0	4
2104	2B	St. James	7/7	52° 09.98'	-130° 02.84'	93	6.1	191	13	315	37	0	1	1
2105	2B	St. James	7/7	52° 09.98'	-130° 18.90'	223	6.1	45	2	0	0	51	0	18
2106	2B	St. James	6/27	52° 09.97'	-130° 34.95'	106	6.1	1,513	84	356	39	3	2	17
2107	2B	St. James	6/27	52° 10.02'	-130° 51.94'	122	6.1	929	57	406	45	14	0	3
2108	2B	St. James	7/23	52° 19.99'	-129° 12.96'	75	6.1	779	41	244	29	0	3	30

¹ Skate = 1,800' groundline, 16/0 circle hooks at 18' spacing, 24"-42" gangions.

² Weights calculated from length-weight tables.

³ Bycatch extrapolated from 20% subsample, except 2B (100%) and select stations in 2A

2016 IPHC Stock Assessment Survey All Regions

Station	Reg Area	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set ¹	O32 Halibut		U32 Halibut		Bycatch (numbers) ³		
								Lbs. ²	#'s	Lbs. ²	#'s	Sablefish	P. Cod	Rockfish
2109	2B	St. James	7/25	52° 19.99'	-129° 29.83'	94	6.0	642	31	160	20	7	1	14
2110	2B	St. James	7/24	52° 20.00'	-129° 45.86'	116	6.0	212	14	73	8	2	0	47
2111	2B	St. James	7/24	52° 19.99'	-130° 02.88'	126	6.1	651	32	112	14	2	1	16
2112	2B	St. James	7/7	52° 20.00'	-130° 18.94'	196	6.1	48	2	11	1	68	0	4
2113	2B	St. James	6/26	52° 19.93'	-130° 34.96'	90	6.1	1,429	54	436	51	0	1	20
2114	2B	St. James	6/26	52° 19.98'	-130° 51.88'	80	6.1	195	15	408	50	5	0	0
2115	2B	St. James	7/22	52° 30.00'	-129° 32.06'	46	6.0	593	27	158	18	0	0	32
2116	2B	St. James	7/22	52° 31.99'	-129° 46.94'	97	6.1	467	29	165	19	22	2	28
2117	2B	St. James	7/24	52° 29.99'	-130° 01.97'	147	6.1	652	31	46	5	18	0	3
2118	2B	St. James	7/8	52° 29.99'	-130° 19.02'	142	6.0	43	3	0	0	50	0	8
2119	2B	St. James	7/8	52° 30.00'	-130° 34.89'	68	6.1	1,920	79	235	26	0	0	24
2120	2B	St. James	6/26	52° 29.98'	-130° 52.01'	62	6.1	894	31	224	28	0	0	1
2121	2B	St. James	7/22	52° 40.02'	-129° 45.88'	102	6.1	482	18	36	4	3	4	28
2122	2B	St. James	7/9	52° 39.98'	-130° 01.94'	147	6.1	64	4	27	3	19	0	12
2123	2B	St. James	7/9	52° 40.00'	-130° 19.01'	121	6.1	157	4	9	1	31	0	10
2124	2B	St. James	7/8	52° 39.61'	-130° 35.05'	79	6.1	973	59	374	43	0	0	9
2125	2B	St. James	7/21	52° 49.99'	-130° 01.88'	142	6.0	0	0	0	0	33	0	0
2126	2B	St. James	7/9	52° 49.98'	-130° 19.11'	114	6.0	11	1	0	0	28	0	1
2127	2B	St. James	7/21	53° 00.45'	-129° 44.99'	124	6.1	104	6	0	0	21	0	8
2128	2B	St. James	7/21	52° 59.98'	-130° 02.01'	107	6.1	45	2	7	1	28	0	1
2130	2B	Charlotte	6/25	52° 30.02'	-131° 25.07'	68	6.1	776	37	38	4	0	0	4
2131	2B	Charlotte	6/24	52° 39.98'	-130° 51.98'	52	6.0	721	32	267	35	0	0	0
2132	2B	Charlotte	6/25	52° 40.02'	-131° 07.95'	38	6.1	709	20	38	5	0	0	3
2133	2B	Charlotte	6/24	52° 50.01'	-130° 35.01'	63	6.1	15	1	9	1	0	0	0
2134	2B	Charlotte	6/24	52° 50.00'	-130° 51.81'	28	6.1	237	13	63	7	0	0	0
2135	2B	Charlotte	7/10	53° 00.00'	-130° 18.07'	115	6.1	372	15	29	3	31	0	12
2136	2B	Charlotte	7/10	52° 59.96'	-130° 35.12'	52	6.1	437	28	195	24	0	0	0
2137	2B	Charlotte	7/10	53° 10.00'	-130° 17.86'	84	6.1	1,184	41	142	17	2	0	2
2138	2B	Charlotte	7/18	53° 10.00'	-130° 34.96'	102	6.1	111	7	46	5	20	0	6
2139	2B	Charlotte	7/17	53° 10.01'	-130° 52.02'	57	6.0	203	14	58	7	0	0	0
2140	2B	Charlotte	7/18	53° 20.00'	-130° 18.07'	61	6.0	1,317	53	63	7	1	2	5
2141	2B	Charlotte	7/18	53° 20.00'	-130° 34.98'	52	6.1	678	31	33	4	1	2	4
2142	2B	Charlotte	7/17	53° 20.01'	-130° 52.00'	74	6.1	886	46	114	12	7	6	4
2143	2B	Charlotte	6/18	53° 19.99'	-132° 49.02'	77	6.1	1,218	46	302	40	0	0	53
2144	2B	Charlotte	6/18	53° 20.05'	-133° 03.77'	112	6.0	2,219	83	234	27	32	0	14
2145	2B	Charlotte	7/17	53° 29.89'	-130° 51.99'	50	6.0	220	15	543	70	0	0	0
2146	2B	Charlotte	6/19	53° 30.02'	-133° 05.96'	209	6.0	359	13	26	3	76	0	120
2147	2B	Charlotte	7/16	53° 40.00'	-130° 35.05'	23	6.0	198	8	43	7	0	0	0
2148	2B	Charlotte	7/16	53° 40.02'	-130° 52.11'	24	6.1	506	17	317	39	0	0	2
2149	2B	Charlotte	6/19	53° 40.02'	-133° 07.00'	76	6.0	1,408	58	442	52	0	0	46
2150	2B	Charlotte	7/16	53° 50.00'	-130° 51.89'	46	6.0	593	44	500	61	0	4	0
2151	2B	Charlotte	6/17	53° 59.98'	-133° 25.09'	42	6.0	2,768	122	321	35	0	0	15
2152	2B	Charlotte	7/15	54° 10.04'	-130° 35.15'	66	6.1	117	5	14	2	0	0	0
2153	2B	Charlotte	6/21	54° 10.02'	-131° 59.91'	38	6.0	273	20	609	85	0	1	0
2154	2B	Charlotte	6/21	54° 10.04'	-132° 17.04'	51	6.1	114	8	550	85	0	3	0
2155	2B	Charlotte	6/20	54° 10.01'	-132° 33.94'	45	6.0	63	4	359	54	0	0	0
2156	2B	Charlotte	6/17	54° 10.10'	-133° 08.90'	34	4.1	1,711	75	203	25	0	0	14
2157	2B	Charlotte	6/17	54° 10.04'	-133° 25.93'	216	6.0	439	17	89	11	58	0	10
2158	2B	Charlotte	7/15	54° 18.84'	-130° 35.09'	62	6.1	55	1	0	0	1	0	0
2159	2B	Charlotte	7/14	54° 22.00'	-131° 09.13'	41	6.0	453	29	370	47	1	2	1
2160	2B	Charlotte	7/13	54° 20.02'	-131° 25.92'	95	6.0	781	53	463	54	5	1	26
2161	2B	Charlotte	7/13	54° 20.04'	-131° 42.75'	102	6.1	998	63	362	40	1	6	7
2162	2B	Charlotte	6/21	54° 19.89'	-132° 01.02'	133	6.1	666	30	102	12	30	0	30
2163	2B	Charlotte	6/21	54° 19.96'	-132° 17.90'	118	6.0	1,772	65	93	11	22	5	10
2164	2B	Charlotte	6/20	54° 19.95'	-132° 35.00'	144	6.0	583	20	97	12	51	1	25
2165	2B	Charlotte	6/20	54° 20.10'	-132° 52.01'	212	6.0	481	14	64	8	66	0	6
2166	2B	Charlotte	6/16	54° 19.98'	-133° 09.05'	253	6.0	829	25	22	3	78	0	28
2167	2B	Charlotte	6/16	54° 20.06'	-133° 26.00'	122	6.0	1,773	74	276	32	13	7	83
2168	2B	Charlotte	6/16	54° 20.02'	-133° 43.01'	134	6.0	1,273	66	462	55	10	0	6
2169	2B	Charlotte	7/15	54° 29.87'	-130° 34.96'	60	6.1	379	16	83	10	3	0	0
2170	2B	Charlotte	7/14	54° 30.00'	-131° 08.94'	75	6.0	997	66	342	39	12	8	1
2171	2B	Charlotte	7/14	54° 30.02'	-131° 26.10'	70	6.1	1,279	59	302	36	7	4	9
2172	2B	Charlotte	7/13	54° 30.00'	-131° 43.94'	186	6.0	346	12	51	6	24	0	7
3001	2C	Ketchikan	6/13	54° 29.94'	-132° 01.03'	147	6.1	1,537	55	62	7	91	0	20
3002	2C	Ketchikan	6/11	54° 30.00'	-132° 17.99'	198	6.1	343	15	29	3	51	0	10
3003	2C	Ketchikan	6/11	54° 29.98'	-132° 34.99'	205	4.1	434	16	16	2	62	0	19
3005	2C	Ketchikan	6/10	54° 30.09'	-133° 09.98'	107	6.0	1,640	61	206	22	0	0	144

¹ Skate = 1,800' groundline, 16/0 circle hooks at 18' spacing, 24"-42" gangions.

² Weights calculated from length-weight tables.

³ Bycatch extrapolated from 20% subsample, except 2B (100%) and select stations in 2A

**2016 IPHC Stock Assessment Survey
All Regions**

Station	Reg Area	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set ¹	O32 Halibut		U32 Halibut		Bycatch (numbers) ³		
								Lbs. ²	#s	Lbs. ²	#s	Sablefish	P. Cod	Rockfish
3006	2C	Ketchikan	6/10	54° 29.98'	-133° 26.98'	165	6.1	1,343	57	131	16	25	0	10
3007	2C	Ketchikan	6/10	54° 29.92'	-133° 44.09'	139	6.0	963	45	192	21	20	0	5
3008	2C	Ketchikan	5/31	54° 39.97'	-130° 50.12'	150	6.0	734	27	76	9	25	0	0
3009	2C	Ketchikan	5/31	54° 40.02'	-131° 08.08'	116	6.0	373	27	320	37	5	0	0
3010	2C	Ketchikan	5/31	54° 40.00'	-131° 25.02'	124	6.0	459	29	309	37	15	10	15
3011	2C	Ketchikan	6/1	54° 40.04'	-131° 41.95'	220	6.0	506	28	74	8	53	0	0
3012	2C	Ketchikan	6/13	54° 39.98'	-131° 58.93'	108	6.0	1,347	67	253	29	5	5	64
3013	2C	Ketchikan	6/12	54° 40.00'	-132° 16.84'	59	6.0	1,608	80	806	101	0	5	15
3014	2C	Ketchikan	6/12	54° 39.95'	-132° 33.92'	103	6.1	1,874	69	220	26	0	0	35
3015	2C	Ketchikan	6/11	54° 39.98'	-132° 51.08'	76	6.0	1,655	65	227	25	0	5	15
3016	2C	Ketchikan	6/8	54° 39.98'	-133° 09.28'	126	6.0	757	20	69	9	10	10	20
3017	2C	Ketchikan	6/8	54° 40.10'	-133° 26.05'	164	6.0	1,315	50	235	30	25	5	40
3018	2C	Ketchikan	6/9	54° 40.05'	-133° 42.98'	132	6.0	1,476	55	224	25	5	25	0
3019	2C	Ketchikan	6/9	54° 39.95'	-133° 59.98'	122	6.0	1,342	57	275	33	50	0	10
3020	2C	Ketchikan	5/30	54° 50.02'	-131° 06.98'	134	6.1	930	38	273	34	5	0	0
3021	2C	Ketchikan	6/1	54° 50.02'	-131° 41.99'	234	6.0	572	33	155	18	50	0	10
3022	2C	Ketchikan	6/12	54° 50.00'	-132° 34.02'	182	6.0	514	27	158	20	60	5	20
3023	2C	Ketchikan	6/8	54° 50.02'	-133° 09.06'	109	6.0	1,798	64	137	15	0	0	25
3024	2C	Ketchikan	6/8	54° 49.99'	-133° 25.97'	62	6.0	56	4	434	71	0	0	40
3025	2C	Ketchikan	6/9	54° 50.01'	-133° 43.04'	75	6.1	1,855	85	973	119	0	10	15
3026	2C	Ketchikan	6/9	54° 50.01'	-134° 01.03'	106	6.0	645	25	188	24	0	0	25
3027	2C	Ketchikan	5/30	55° 00.00'	-131° 06.06'	135	6.1	983	40	151	19	10	5	5
3028	2C	Ketchikan	6/1	55° 00.05'	-131° 41.00'	116	6.0	479	25	176	21	0	5	25
3029	2C	Ketchikan	6/7	55° 00.00'	-133° 26.08'	48	6.1	885	29	177	23	0	0	36
3030	2C	Ketchikan	6/7	55° 00.00'	-133° 43.03'	56	6.0	914	18	442	70	0	0	0
3031	2C	Ketchikan	5/30	55° 09.87'	-131° 05.98'	86	6.1	748	23	80	11	0	10	10
3032	2C	Ketchikan	6/2	55° 10.04'	-131° 41.01'	68	6.0	62	1	41	5	0	5	15
3033	2C	Ketchikan	6/2	55° 10.04'	-131° 55.98'	171	6.0	421	18	42	5	10	10	20
3034	2C	Ketchikan	6/7	55° 09.95'	-133° 25.92'	40	6.0	1,401	33	52	6	0	0	40
3035	2C	Ketchikan	6/2	55° 20.14'	-131° 58.14'	221	6.0	117	5	10	1	0	0	0
3036	2C	Ketchikan	6/2	55° 28.98'	-131° 57.95'	156	6.0	669	23	74	9	25	0	20
3037	2C	Ketchikan	6/3	55° 40.05'	-132° 15.15'	213	6.1	339	14	91	11	35	0	5
3038	2C	Ketchikan	6/3	55° 44.97'	-132° 26.96'	132	6.0	1,058	31	94	12	5	15	10
3039	2C	Ketchikan	6/3	55° 50.02'	-132° 14.84'	124	6.0	1,231	42	110	14	0	20	15
3040	2C	Ketchikan	6/4	55° 59.97'	-132° 31.96'	118	6.0	936	30	134	19	5	15	15
3041	2C	Ketchikan	6/4	56° 01.09'	-132° 45.05'	194	6.0	225	13	63	8	5	0	0
3042	2C	Ketchikan	6/4	56° 10.93'	-132° 49.94'	83	6.0	1,667	47	113	14	0	25	20
3043	2C	Ommaney	6/21	55° 00.00'	-134° 01.14'	83	6.0	1,432	57	234	28	0	0	15
3044	2C	Ommaney	6/21	55° 00.00'	-134° 18.03'	117	6.0	2,150	99	327	36	0	0	0
3045	2C	Ommaney	6/22	55° 10.00'	-133° 42.98'	87	5.9	842	57	530	63	5	0	0
3046	2C	Ommaney	6/21	55° 10.04'	-134° 01.00'	93	6.0	2,246	134	482	56	0	0	0
3047	2C	Ommaney	6/22	55° 20.00'	-133° 44.00'	39	6.0	888	30	372	51	0	0	10
3048	2C	Ommaney	6/21	55° 20.00'	-134° 01.05'	64	5.9	280	18	579	80	0	0	0
3049	2C	Ommaney	6/20	55° 20.05'	-134° 18.94'	100	6.0	2,272	88	331	39	0	0	30
3050	2C	Ommaney	6/20	55° 20.00'	-134° 36.07'	111	6.0	2,511	108	363	40	5	0	30
3051	2C	Ommaney	6/23	55° 30.00'	-134° 01.02'	49	6.0	1,184	40	357	46	0	0	25
3052	2C	Ommaney	6/23	55° 30.00'	-134° 18.99'	91	6.0	990	60	562	67	0	0	5
3053	2C	Ommaney	6/20	55° 30.02'	-134° 37.02'	111	6.0	2,587	119	270	30	20	5	0
3054	2C	Ommaney	6/14	55° 30.00'	-134° 54.30'	159	6.0	1,485	66	207	23	5	0	5
3055	2C	Ommaney	6/23	55° 39.97'	-134° 01.17'	109	6.0	1,761	106	422	49	0	20	0
3056	2C	Ommaney	6/23	55° 40.00'	-134° 19.07'	114	6.0	312	17	33	4	10	0	10
3057	2C	Ommaney	6/14	55° 40.03'	-134° 36.86'	112	6.0	1,867	66	152	18	0	10	0
3058	2C	Ommaney	6/14	55° 40.00'	-134° 55.32'	110	6.0	1,236	47	159	19	25	0	50
3059	2C	Ommaney	6/29	55° 50.02'	-133° 25.98'	41	6.0	228	7	31	4	0	0	5
3060	2C	Ommaney	6/29	55° 50.00'	-133° 43.97'	66	6.0	470	17	45	6	0	0	20
3061	2C	Ommaney	7/1	55° 50.00'	-134° 01.98'	155	6.0	917	35	81	10	20	0	5
3062	2C	Ommaney	6/28	55° 50.04'	-134° 36.99'	83	6.0	438	16	141	18	20	5	60
3063	2C	Ommaney	6/19	55° 50.03'	-134° 54.95'	101	6.0	1,211	51	178	21	5	0	5
3064	2C	Ommaney	6/19	55° 50.02'	-135° 13.00'	135	6.0	475	19	43	5	25	0	25
3065	2C	Ommaney	6/29	55° 55.00'	-133° 34.98'	39	6.0	517	20	17	2	0	0	0
3066	2C	Ommaney	7/1	56° 00.00'	-134° 01.95'	58	6.0	940	39	448	59	0	0	0
3067	2C	Ommaney	7/1	56° 00.00'	-134° 19.83'	50	6.0	1,926	54	218	27	0	15	40
3068	2C	Ommaney	6/28	56° 00.04'	-134° 38.01'	207	6.0	2,314	63	58	7	105	0	15
3069	2C	Ommaney	6/28	56° 00.00'	-134° 55.05'	196	5.9	1,005	31	6	1	64	0	39
3070	2C	Ommaney	6/19	56° 00.05'	-135° 13.39'	202	6.0	1,418	52	56	6	45	0	10
3071	2C	Ommaney	6/30	56° 10.00'	-133° 43.69'	146	6.0	2,302	68	128	16	10	0	5
3072	2C	Ommaney	7/2	56° 09.98'	-134° 20.07'	72	5.9	3,030	133	700	82	0	10	10

¹ Skate = 1,800' groundline, 16/0 circle hooks at 18' spacing, 24"-42" gangions.

² Weights calculated from length-weight tables.

³ Bycatch extrapolated from 20% subsample, except 2B (100%) and select stations in 2A

**2016 IPHC Stock Assessment Survey
All Regions**

Station	Reg Area	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set ¹	O32 Halibut		U32 Halibut		Bycatch (numbers) ³		
								Lbs. ²	#'s	Lbs. ²	#'s	Sablefish	P. Cod	Rockfish
3073	2C	Ommaney	6/27	56° 09.96'	-134° 38.00'	141	6.0	1,562	52	142	17	50	5	35
3074	2C	Ommaney	6/27	56° 10.00'	-134° 55.81'	101	6.0	2,331	116	294	33	20	0	5
3075	2C	Ommaney	6/13	56° 09.96'	-135° 13.56'	155	6.0	1,145	47	93	11	70	0	0
3076	2C	Ommaney	6/30	56° 19.99'	-133° 43.99'	73	6.0	641	16	28	3	0	0	20
3077	2C	Ommaney	7/2	56° 20.07'	-134° 20.00'	82	6.0	1,225	45	162	20	10	5	35
3078	2C	Ommaney	6/27	56° 20.02'	-134° 56.00'	61	6.0	1,015	24	246	31	0	0	20
3079	2C	Ommaney	6/13	56° 19.99'	-135° 14.36'	87	6.0	1,323	62	461	59	0	0	40
3080	2C	Ommaney	6/13	56° 20.02'	-135° 31.71'	110	6.1	580	26	191	24	0	0	0
3081	2C	Ommaney	6/30	56° 29.01'	-133° 44.02'	54	6.0	1,736	64	41	6	30	30	5
3082	2C	Ommaney	7/2	56° 30.14'	-134° 20.02'	52	6.0	931	52	721	91	0	0	5
3083	2C	Sitka	7/28	56° 30.02'	-135° 14.91'	59	6.0	1,396	52	647	83	0	0	30
3084	2C	Sitka	7/28	56° 30.00'	-135° 33.02'	85	5.9	1,118	34	97	10	0	0	132
3085	2C	Sitka	7/28	56° 40.01'	-135° 15.04'	23	6.0	838	26	0	0	0	0	10
3086	2C	Sitka	7/29	56° 39.98'	-135° 33.99'	73	5.9	2,684	82	234	27	0	0	54
3087	2C	Sitka	7/29	56° 39.99'	-135° 51.99'	132	5.9	1,508	66	56	6	25	0	20
3088	2C	Sitka	7/5	56° 50.05'	-132° 49.99'	112	6.0	389	13	95	13	0	0	0
3089	2C	Sitka	7/29	56° 50.02'	-135° 52.00'	103	5.9	1,161	61	68	7	25	0	5
3090	2C	Sitka	7/5	56° 57.00'	-132° 58.15'	72	5.8	149	8	66	10	0	0	0
3091	2C	Sitka	7/6	56° 59.95'	-134° 21.02'	190	5.9	1,632	76	215	24	69	0	5
3092	2C	Sitka	7/30	57° 00.05'	-136° 00.00'	55	5.9	1,017	41	434	49	0	0	59
3093	2C	Sitka	7/5	57° 03.00'	-133° 05.00'	74	6.0	212	9	110	15	0	5	0
3094	2C	Sitka	7/6	57° 10.01'	-133° 45.09'	180	6.0	1,406	68	193	22	64	5	15
3095	2C	Sitka	7/6	57° 09.99'	-134° 03.06'	158	6.0	1,238	60	224	27	60	5	0
3096	2C	Sitka	7/8	57° 09.99'	-134° 40.04'	192	6.0	475	18	16	2	25	10	35
3097	2C	Sitka	7/30	57° 09.98'	-135° 54.00'	35	6.0	1,573	38	201	28	0	0	10
3098	2C	Sitka	7/30	57° 10.04'	-136° 12.00'	115	5.9	1,347	78	235	25	10	0	0
3099	2C	Sitka	7/9	57° 19.99'	-133° 26.01'	76	6.0	230	11	224	28	0	0	0
3100	2C	Sitka	7/9	57° 20.00'	-133° 45.03'	176	6.0	1,599	83	155	17	55	10	0
3101	2C	Sitka	7/7	57° 20.01'	-134° 35.88'	183	5.9	583	27	200	25	25	20	5
3102	2C	Sitka	7/31	57° 19.91'	-135° 55.02'	40	5.9	527	13	0	0	0	0	49
3103	2C	Sitka	7/31	57° 20.02'	-136° 12.88'	94	5.8	1,256	67	492	54	0	10	44
3104	2C	Sitka	7/9	57° 29.97'	-133° 44.88'	126	5.9	1,351	63	276	33	10	5	10
3105	2C	Sitka	7/7	57° 31.00'	-134° 38.03'	183	5.9	598	29	285	35	88	10	44
3106	2C	Sitka	7/31	57° 30.01'	-136° 14.01'	46	5.9	394	24	198	24	0	0	64
3107	2C	Sitka	7/12	57° 40.00'	-133° 45.00'	182	6.0	890	48	291	35	0	0	0
3108	2C	Sitka	8/3	57° 39.99'	-136° 33.00'	90	6.0	790	40	126	15	5	5	0
3109	2C	Sitka	7/12	57° 50.01'	-133° 54.03'	183	6.0	412	24	141	17	0	0	0
3110	2C	Sitka	8/3	57° 49.98'	-136° 34.01'	50	6.1	1,442	68	530	68	0	0	20
3111	2C	Sitka	8/3	57° 50.00'	-136° 53.00'	210	6.0	12	1	8	1	114	0	45
3112	2C	Sitka	7/12	58° 00.00'	-134° 04.01'	121	6.0	149	7	6	1	0	0	0
3113	2C	Sitka	7/17	58° 00.01'	-136° 40.03'	56	6.0	1,108	67	632	80	0	0	10
3114	2C	Sitka	7/15	58° 10.02'	-135° 00.99'	99	6.0	800	31	104	14	15	35	20
3115	2C	Sitka	7/15	58° 09.99'	-135° 20.00'	90	6.0	603	27	128	16	5	5	0
3116	2C	Sitka	7/16	58° 10.04'	-136° 36.00'	137	6.0	1,920	52	29	3	35	5	35
3117	2C	Sitka	7/13	58° 12.15'	-134° 23.54'	39	6.0	317	8	0	0	0	0	0
3118	2C	Sitka	7/13	58° 14.01'	-134° 41.02'	37	5.9	361	12	0	0	0	5	0
3119	2C	Sitka	7/15	58° 15.00'	-135° 40.05'	58	5.9	965	50	419	53	0	15	0
3120	2C	Sitka	7/16	58° 15.00'	-136° 25.96'	100	6.0	1,654	35	94	10	5	10	0
3121	2C	Sitka	7/13	58° 20.04'	-134° 43.05'	35	5.9	407	22	67	7	0	0	0
3122	2C	Sitka	7/14	58° 20.04'	-135° 02.00'	314	6.0	337	18	9	1	30	0	5
3123	2C	Sitka	7/14	58° 30.09'	-135° 02.04'	153	6.0	882	44	170	19	0	0	0
3124	2C	Sitka	7/14	58° 40.00'	-135° 03.02'	156	6.0	339	19	93	11	15	0	0
4001	3A	Fairweather	7/24	57° 49.95'	-137° 13.00'	172	6.0	297	12	44	5	124	0	25
4002	3A	Fairweather	7/17	58° 00.12'	-136° 54.00'	228	6.0	0	0	0	0	74	0	10
4003	3A	Fairweather	7/24	57° 59.96'	-137° 12.00'	107	5.9	4,094	245	550	56	0	5	5
4004	3A	Fairweather	7/24	58° 00.01'	-137° 31.04'	88	5.9	5,137	258	455	50	0	0	15
4005	3A	Fairweather	7/23	58° 00.02'	-137° 49.98'	99	5.9	1,601	96	772	90	0	0	34
4006	3A	Fairweather	7/16	58° 09.98'	-136° 55.01'	111	6.0	785	37	50	6	50	0	10
4007	3A	Fairweather	7/20	58° 10.02'	-137° 10.97'	64	6.0	3,720	186	952	107	0	0	0
4008	3A	Fairweather	7/20	58° 10.01'	-137° 29.98'	77	6.0	447	27	249	29	0	0	0
4009	3A	Fairweather	7/23	58° 09.99'	-137° 49.02'	84	6.0	730	35	90	10	0	0	0
4010	3A	Fairweather	7/23	58° 10.02'	-138° 08.00'	80	5.9	272	14	121	15	0	0	0
4011	3A	Fairweather	7/22	58° 10.00'	-138° 27.04'	88	5.8	2,445	111	329	39	0	0	29
4012	3A	Fairweather	8/4	58° 09.96'	-138° 46.00'	105	5.9	981	34	157	20	0	0	15
4013	3A	Fairweather	7/20	58° 20.00'	-137° 10.00'	91	6.0	0	0	0	0	0	0	0
4014	3A	Fairweather	7/20	58° 20.01'	-137° 29.02'	101	6.0	0	0	0	0	0	0	0
4015	3A	Fairweather	7/21	58° 20.00'	-137° 48.13'	94	5.9	46	2	0	0	0	0	0

¹ Skate = 1,800' groundline, 16/0 circle hooks at 18' spacing, 24"-42" gangions.² Weights calculated from length-weight tables.³ Bycatch extrapolated from 20% subsample, except 2B (100%) and select stations in 2A

**2016 IPHC Stock Assessment Survey
All Regions**

Station	Reg Area	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set ¹	O32 Halibut		U32 Halibut		Bycatch (numbers) ³		
								Lbs. ²	#'s	Lbs. ²	#'s	Sablefish	P. Cod	Rockfish
4016	3A	Fairweather	7/22	58° 20.00'	-138° 06.99'	71	5.9	33	1	0	0	0	0	0
4017	3A	Fairweather	7/22	58° 19.99'	-138° 25.99'	71	5.9	0	0	0	0	0	0	0
4018	3A	Fairweather	8/4	58° 20.01'	-138° 46.03'	65	6.0	265	9	172	25	0	0	0
4019	3A	Fairweather	8/4	58° 20.00'	-139° 05.02'	59	6.1	958	38	376	46	0	0	61
4020	3A	Fairweather	8/15	58° 20.02'	-139° 24.00'	150	6.0	1,990	82	46	5	50	0	50
4021	3A	Fairweather	7/21	58° 28.48'	-137° 30.42'	79	5.9	0	0	0	0	0	0	0
4022	3A	Fairweather	7/21	58° 30.00'	-137° 46.84'	84	5.9	0	0	0	0	0	0	0
4023	3A	Fairweather	8/6	58° 30.00'	-138° 06.99'	73	5.9	468	25	104	14	0	0	0
4024	3A	Fairweather	8/5	58° 30.00'	-138° 26.00'	64	6.0	74	3	0	0	0	0	5
4025	3A	Fairweather	8/5	58° 29.96'	-138° 45.01'	54	6.0	437	15	142	20	0	0	15
4026	3A	Fairweather	8/14	58° 30.00'	-139° 04.06'	55	6.0	44	3	232	35	0	0	75
4027	3A	Fairweather	8/15	58° 29.96'	-139° 22.95'	93	6.1	1,877	82	422	49	0	5	20
4028	3A	Fairweather	8/15	58° 29.98'	-139° 41.97'	135	6.0	1,051	48	99	11	15	0	0
4029	3A	Fairweather	8/6	58° 40.00'	-138° 06.10'	49	6.0	2,711	80	85	12	0	0	25
4030	3A	Fairweather	8/5	58° 40.02'	-138° 24.97'	71	6.0	32	2	78	10	0	0	0
4031	3A	Fairweather	8/5	58° 40.00'	-138° 43.99'	54	6.0	440	12	91	14	0	0	10
4032	3A	Fairweather	8/14	58° 40.05'	-139° 04.01'	83	6.0	906	59	657	81	0	0	10
4033	3A	Fairweather	8/14	58° 40.04'	-139° 23.04'	138	6.1	224	10	7	1	35	0	0
4034	3A	Fairweather	8/13	58° 40.01'	-139° 42.07'	102	6.1	581	22	40	5	0	0	0
4035	3A	Fairweather	8/13	58° 40.00'	-140° 00.95'	104	6.1	2,635	92	415	49	5	0	0
4036	3A	Fairweather	8/7	58° 49.99'	-138° 05.00'	29	6.0	365	14	104	18	0	0	0
4037	3A	Fairweather	8/7	58° 50.00'	-138° 24.02'	39	6.0	1,021	29	37	4	0	0	15
4038	3A	Fairweather	8/8	58° 50.03'	-138° 44.00'	66	6.0	13	1	0	0	0	0	0
4039	3A	Fairweather	8/8	58° 49.97'	-139° 02.99'	105	6.1	268	14	42	5	0	0	0
4040	3A	Fairweather	8/12	58° 50.03'	-139° 21.98'	73	5.9	303	10	11	1	0	0	0
4041	3A	Fairweather	8/12	58° 49.97'	-139° 41.97'	88	6.0	353	11	26	3	0	0	5
4042	3A	Fairweather	8/13	58° 50.01'	-140° 01.02'	95	6.0	909	28	296	38	0	0	15
4043	3A	Fairweather	8/7	59° 00.02'	-138° 24.01'	33	6.0	643	18	258	37	0	0	0
4044	3A	Fairweather	8/8	59° 00.03'	-138° 43.02'	86	6.0	175	5	16	2	0	0	0
4045	3A	Fairweather	8/11	59° 00.00'	-139° 02.02'	55	6.1	20	1	0	0	0	0	0
4046	3A	Fairweather	8/11	59° 00.03'	-139° 22.18'	60	6.0	0	0	0	0	0	0	0
4047	3A	Fairweather	8/12	59° 00.03'	-139° 41.01'	66	6.1	925	30	281	36	0	0	0
4048	3A	Fairweather	8/11	59° 10.00'	-139° 01.96'	29	6.0	34	2	98	14	0	0	0
4049	3A	Fairweather	8/11	59° 10.00'	-139° 21.21'	53	6.0	0	0	0	0	0	0	0
4051	3A	Yakutat	7/17	58° 50.03'	-140° 20.01'	99	6.0	1,787	53	255	32	5	10	10
4052	3A	Yakutat	7/17	58° 49.99'	-140° 39.98'	105	6.0	4,154	130	413	52	15	10	0
4053	3A	Yakutat	7/16	59° 00.00'	-140° 01.04'	72	6.0	1,515	51	451	62	0	0	5
4054	3A	Yakutat	7/17	59° 00.03'	-140° 20.10'	84	6.0	1,787	47	273	34	0	20	10
4055	3A	Yakutat	7/18	59° 00.02'	-140° 39.26'	97	6.0	2,235	68	436	57	0	0	0
4056	3A	Yakutat	7/18	59° 00.01'	-140° 58.98'	103	6.0	2,067	90	507	65	0	20	0
4057	3A	Yakutat	7/16	59° 10.01'	-139° 41.22'	69	6.0	306	19	491	65	0	0	0
4058	3A	Yakutat	7/15	59° 09.98'	-139° 59.91'	63	6.0	758	28	555	82	0	0	0
4059	3A	Yakutat	7/16	59° 10.06'	-140° 20.07'	70	6.0	1,405	43	313	44	0	0	0
4060	3A	Yakutat	7/18	59° 10.24'	-140° 39.93'	81	6.0	738	29	497	67	10	0	0
4061	3A	Yakutat	7/19	59° 10.05'	-140° 58.97'	98	6.0	1,459	46	303	41	5	30	0
4062	3A	Yakutat	7/19	59° 09.98'	-141° 18.03'	185	6.0	300	12	30	3	50	0	15
4063	3A	Yakutat	7/20	59° 10.00'	-141° 38.11'	120	6.0	3,687	185	176	19	30	20	45
4064	3A	Yakutat	7/15	59° 20.01'	-139° 40.01'	85	6.0	168	7	11	1	5	0	0
4065	3A	Yakutat	7/15	59° 19.99'	-140° 00.02'	87	6.0	201	9	26	3	0	0	0
4066	3A	Yakutat	7/24	59° 20.00'	-140° 20.11'	73	6.0	2,773	78	479	67	0	0	0
4067	3A	Yakutat	7/24	59° 20.01'	-140° 39.12'	80	6.0	788	19	328	45	15	0	0
4068	3A	Yakutat	7/19	59° 19.88'	-140° 58.99'	86	6.0	2,091	89	487	64	0	0	0
4069	3A	Yakutat	7/19	59° 20.19'	-141° 18.05'	181	6.0	298	13	55	7	105	0	5
4070	3A	Yakutat	7/20	59° 19.97'	-141° 38.23'	102	6.0	2,616	123	461	55	0	0	0
4071	3A	Yakutat	7/20	59° 19.94'	-141° 57.62'	116	6.0	1,951	98	386	48	5	20	5
4072	3A	Yakutat	7/23	59° 30.00'	-140° 00.10'	61	6.0	18	1	0	0	0	0	0
4073	3A	Yakutat	7/24	59° 29.97'	-140° 19.01'	126	6.0	2,130	74	122	14	60	5	45
4074	3A	Yakutat	7/24	59° 29.95'	-140° 38.96'	155	6.0	352	17	49	6	20	0	25
4075	3A	Yakutat	7/25	59° 29.94'	-140° 59.04'	164	6.0	326	16	55	6	69	0	25
4076	3A	Yakutat	7/26	59° 30.01'	-141° 19.07'	92	6.0	191	10	29	4	5	0	0
4077	3A	Yakutat	7/26	59° 30.01'	-141° 37.97'	91	6.0	58	3	9	1	5	0	0
4078	3A	Yakutat	7/27	59° 29.99'	-141° 57.97'	99	6.0	233	7	18	2	0	0	0
4079	3A	Yakutat	7/23	59° 40.02'	-139° 59.06'	79	6.0	427	14	63	7	0	25	0
4080	3A	Yakutat	7/25	59° 40.13'	-140° 59.12'	30	6.0	182	4	40	5	0	0	0
4081	3A	Yakutat	7/25	59° 40.03'	-141° 19.06'	36	6.0	76	5	7	1	0	0	0
4082	3A	Yakutat	7/26	59° 40.01'	-141° 38.20'	52	6.0	112	1	0	0	0	0	0
4083	3A	Yakutat	7/28	59° 40.00'	-141° 57.99'	81	6.0	48	3	0	0	0	0	0

¹ Skate = 1,800' groundline, 16/0 circle hooks at 18' spacing, 24"-42" gangions.

² Weights calculated from length-weight tables.

³ Bycatch extrapolated from 20% subsample, except 2B (100%) and select stations in 2A

**2016 IPHC Stock Assessment Survey
All Regions**

Station	Reg Area	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set ¹	O32 Halibut		U32 Halibut		Bycatch (numbers) ³		
								Lbs. ²	#'s	Lbs. ²	#'s	Sablefish	P. Cod	Rockfish
4084	3A	Yakutat	7/29	59° 40.02'	-142° 18.06'	120	6.0	1,388	59	135	17	15	0	0
4085	3A	Yakutat	7/29	59° 39.98'	-142° 37.88'	215	6.0	450	19	20	2	99	0	35
4086	3A	Yakutat	8/3	59° 39.98'	-142° 58.09'	111	6.0	2,800	132	494	59	15	20	0
4087	3A	Yakutat	8/3	59° 40.01'	-143° 16.75'	147	6.0	2,061	76	90	11	90	5	30
4088	3A	Yakutat	8/4	59° 39.99'	-143° 37.20'	80	6.0	2,704	105	594	75	5	5	15
4089	3A	Yakutat	8/4	59° 40.03'	-143° 57.01'	70	6.0	2,213	89	452	57	0	0	0
4090	3A	Yakutat	8/5	59° 40.03'	-144° 17.00'	88	6.0	1,148	45	168	22	0	0	0
4091	3A	Yakutat	8/5	59° 39.95'	-144° 37.19'	80	6.0	849	39	174	24	0	0	0
4092	3A	Yakutat	7/28	59° 50.00'	-141° 59.06'	38	6.0	116	6	66	10	0	0	0
4093	3A	Yakutat	7/28	59° 49.98'	-142° 18.07'	48	6.0	2,256	64	161	22	0	0	10
4094	3A	Yakutat	7/29	59° 50.01'	-142° 38.02'	90	6.0	1,188	31	74	11	0	0	0
4095	3A	Yakutat	8/2	59° 50.03'	-142° 58.10'	94	6.0	863	34	58	8	5	0	0
4096	3A	Yakutat	8/3	59° 49.95'	-143° 18.07'	121	6.0	1,154	49	148	20	5	0	0
4097	3A	Yakutat	8/4	59° 49.99'	-143° 38.24'	156	6.0	604	22	4	1	45	15	94
4098	3A	Yakutat	8/5	59° 50.04'	-143° 58.03'	52	6.0	398	14	191	25	0	0	0
4099	3A	Yakutat	8/5	59° 50.04'	-144° 18.12'	34	6.0	690	27	300	42	0	45	0
4100	3A	Yakutat	8/2	59° 59.99'	-142° 38.32'	44	6.0	193	6	38	6	0	0	0
4101	3A	Yakutat	8/2	60° 00.02'	-142° 59.28'	62	6.0	307	12	26	3	0	5	0
4102	3A	PWS	7/11	59° 20.00'	-146° 16.21'	153	6.0	591	33	121	13	35	5	35
4103	3A	PWS	7/11	59° 20.00'	-146° 35.05'	80	6.0	351	18	349	45	0	10	0
4104	3A	PWS	7/11	59° 20.00'	-146° 55.03'	105	6.0	416	27	336	43	5	0	5
4105	3A	PWS	6/26	59° 20.02'	-147° 15.25'	101	6.0	407	26	212	26	10	0	0
4106	3A	PWS	7/6	59° 29.99'	-145° 16.04'	73	6.0	971	43	424	53	0	0	124
4107	3A	PWS	7/6	59° 30.00'	-145° 55.08'	90	6.0	1,561	102	483	54	10	0	0
4108	3A	PWS	7/13	59° 29.99'	-146° 35.41'	51	6.0	319	13	282	36	0	0	0
4109	3A	PWS	7/13	59° 29.99'	-146° 54.20'	100	6.0	41	3	33	4	5	0	0
4110	3A	PWS	7/12	59° 30.00'	-147° 14.38'	117	6.0	43	1	26	3	20	0	5
4111	3A	PWS	7/12	59° 30.00'	-147° 34.15'	62	6.0	185	10	58	7	0	0	0
4112	3A	PWS	7/6	59° 40.03'	-145° 34.34'	57	6.0	96	4	53	6	0	0	0
4113	3A	PWS	7/15	59° 40.00'	-145° 54.37'	44	6.0	2,322	97	747	90	0	0	15
4114	3A	PWS	7/15	59° 40.00'	-146° 13.98'	46	6.0	529	18	279	41	0	0	0
4115	3A	PWS	7/13	59° 40.00'	-146° 34.59'	48	6.0	966	43	470	64	0	0	15
4116	3A	PWS	7/13	59° 40.01'	-146° 53.29'	61	6.0	48	3	17	2	0	0	0
4117	3A	PWS	7/12	59° 40.00'	-147° 13.50'	87	6.0	734	43	304	34	0	0	40
4118	3A	PWS	7/12	59° 40.00'	-147° 33.61'	65	6.0	1,174	66	217	27	0	0	0
4119	3A	PWS	7/10	59° 50.00'	-144° 58.05'	108	6.0	1,176	45	132	16	0	54	0
4120	3A	PWS	7/15	59° 49.98'	-145° 53.70'	56	6.0	83	3	75	9	0	0	0
4121	3A	PWS	7/7	59° 49.97'	-146° 12.98'	34	6.0	398	22	667	91	0	0	0
4122	3A	PWS	7/7	59° 50.01'	-146° 33.41'	37	6.0	1,597	58	309	41	0	0	30
4123	3A	PWS	7/14	59° 50.00'	-146° 53.43'	43	6.0	199	14	1,063	155	0	0	0
4124	3A	PWS	7/14	59° 50.00'	-147° 13.05'	79	6.0	1,563	98	792	91	0	5	0
4125	3A	PWS	7/10	60° 00.00'	-144° 39.19'	125	6.0	983	44	42	5	25	40	0
4126	3A	PWS	7/10	60° 00.00'	-144° 59.26'	71	6.0	1,274	65	230	27	0	0	0
4127	3A	PWS	7/10	60° 00.00'	-145° 18.51'	66	6.0	571	30	132	15	0	0	0
4128	3A	PWS	7/7	59° 59.99'	-146° 11.99'	35	6.0	1,875	69	395	52	0	0	0
4129	3A	PWS	7/7	59° 59.98'	-146° 32.20'	36	6.0	196	9	402	66	0	0	0
4130	3A	PWS	7/14	60° 00.00'	-146° 52.18'	77	6.0	252	10	60	7	5	5	0
4131	3A	PWS	7/14	60° 00.00'	-147° 11.80'	102	6.0	1,459	79	300	33	0	30	0
4132	3A	PWS	7/22	60° 09.98'	-145° 31.40'	50	6.0	623	34	188	24	0	0	0
4133	3A	PWS	7/22	60° 10.00'	-145° 50.99'	59	6.0	877	45	117	15	0	5	0
4134	3A	PWS	7/22	60° 10.01'	-146° 10.77'	43	6.0	734	38	488	64	0	0	0
4135	3A	PWS	7/21	60° 10.02'	-147° 31.23'	37	6.0	393	20	337	45	0	0	15
4136	3A	PWS	7/21	60° 09.89'	-147° 51.02'	186	6.0	544	28	444	61	0	10	0
4137	3A	PWS	7/21	60° 20.00'	-147° 30.92'	65	6.0	1,202	58	168	19	0	25	15
4138	3A	PWS	7/18	60° 30.00'	-146° 29.48'	34	6.0	740	35	594	87	0	0	0
4139	3A	PWS	7/18	60° 29.98'	-146° 49.04'	217	6.0	1,706	82	137	19	30	0	5
4140	3A	PWS	7/19	60° 29.88'	-147° 10.04'	100	6.0	717	47	348	41	0	15	0
4141	3A	PWS	7/19	60° 30.00'	-147° 30.22'	111	6.0	258	16	164	21	0	25	20
4142	3A	PWS	7/20	60° 29.07'	-147° 50.04'	257	6.0	754	31	258	36	10	0	40
4143	3A	PWS	7/18	60° 40.00'	-146° 49.03'	226	6.0	1,997	120	463	54	0	15	0
4144	3A	PWS	7/19	60° 40.09'	-147° 09.10'	136	6.0	733	40	349	48	5	45	5
4145	3A	PWS	7/19	60° 49.98'	-147° 08.00'	177	6.0	1,385	68	374	48	0	40	20
4146	3A	PWS	7/20	60° 50.05'	-148° 10.00'	162	6.0	593	26	45	7	0	0	10
4147	3A	Seward	6/20	58° 40.02'	-148° 33.89'	129	6.0	605	38	183	20	65	0	0
4148	3A	Seward	6/16	58° 40.01'	-148° 53.05'	92	6.0	349	23	329	41	5	25	0
4149	3A	Seward	6/20	58° 50.02'	-148° 14.96'	150	6.0	885	55	254	31	50	0	5
4150	3A	Seward	6/20	58° 50.00'	-148° 33.86'	159	6.0	272	17	112	12	66	0	18

¹ Skate = 1,800' groundline, 16/0 circle hooks at 18' spacing, 24"-42" gangions.

² Weights calculated from length-weight tables.

³ Bycatch extrapolated from 20% subsample, except 2B (100%) and select stations in 2A

**2016 IPHC Stock Assessment Survey
All Regions**

Station	Reg Area	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set ¹	O32 Halibut		U32 Halibut		Bycatch (numbers) ³		
								Lbs. ²	#'s	Lbs. ²	#'s	Sablefish	P. Cod	Rockfish
4151	3A	Seward	6/16	58° 50.01'	-148° 52.97'	139	6.0	469	32	59	7	89	0	59
4152	3A	Seward	6/16	58° 50.01'	-149° 12.08'	112	6.0	881	53	198	22	72	10	0
4153	3A	Seward	6/25	59° 00.01'	-147° 54.87'	245	6.0	259	15	50	6	105	0	0
4154	3A	Seward	6/25	59° 00.01'	-148° 14.07'	119	6.0	1,591	90	337	37	35	50	5
4155	3A	Seward	6/24	59° 00.01'	-148° 33.74'	133	6.0	443	26	102	11	50	5	0
4156	3A	Seward	6/24	59° 00.00'	-148° 53.02'	117	6.0	412	25	231	26	15	5	0
4157	3A	Seward	6/15	59° 00.01'	-149° 11.98'	118	6.0	400	26	181	20	20	0	0
4158	3A	Seward	6/15	59° 00.01'	-149° 32.10'	127	6.0	406	24	194	22	50	5	5
4159	3A	Seward	6/26	59° 10.02'	-147° 34.77'	141	6.0	1,026	66	202	23	40	30	15
4160	3A	Seward	6/25	59° 10.00'	-147° 53.77'	112	5.9	1,553	83	489	57	10	25	0
4161	3A	Seward	6/25	59° 10.00'	-148° 14.05'	67	6.0	1,037	54	421	52	0	0	74
4162	3A	Seward	6/24	59° 10.02'	-148° 32.96'	83	6.0	477	29	349	45	5	10	0
4163	3A	Seward	6/24	59° 10.00'	-148° 53.03'	98	6.0	148	6	20	2	0	0	0
4164	3A	Seward	6/15	59° 10.01'	-149° 12.14'	85	6.0	959	50	145	18	5	5	15
4165	3A	Seward	6/15	59° 10.00'	-149° 32.18'	86	6.0	411	25	243	31	0	35	0
4166	3A	Seward	5/30	59° 10.00'	-149° 50.84'	74	6.0	219	11	48	6	0	0	0
4167	3A	Seward	6/26	59° 20.00'	-147° 34.20'	68	6.0	1,512	84	530	67	0	0	25
4168	3A	Seward	6/23	59° 20.01'	-147° 53.83'	100	6.0	1,984	100	204	23	5	0	0
4169	3A	Seward	6/23	59° 20.01'	-148° 12.77'	86	6.0	984	48	164	20	0	5	0
4170	3A	Seward	7/3	59° 19.98'	-148° 32.87'	50	6.0	1,878	60	538	65	0	5	45
4171	3A	Seward	7/3	59° 20.00'	-148° 53.33'	91	6.0	1,037	54	48	5	0	0	0
4172	3A	Seward	6/27	59° 19.98'	-149° 12.23'	123	6.0	631	28	38	4	0	15	0
4173	3A	Seward	6/27	59° 20.01'	-149° 32.05'	68	6.0	1,968	106	558	67	0	0	0
4174	3A	Seward	6/28	59° 20.01'	-149° 51.20'	104	6.0	511	28	67	9	0	0	0
4175	3A	Seward	6/28	59° 19.96'	-150° 10.98'	87	6.0	1,036	56	286	33	0	15	0
4176	3A	Seward	6/23	59° 30.00'	-147° 53.24'	61	6.0	447	24	259	32	0	0	0
4177	3A	Seward	6/23	59° 30.01'	-148° 12.87'	114	5.9	107	5	18	2	0	0	0
4178	3A	Seward	7/3	59° 29.99'	-148° 33.20'	52	6.0	852	38	874	121	0	0	0
4179	3A	Seward	7/3	59° 30.00'	-148° 51.88'	90	6.0	65	3	50	7	0	0	0
4180	3A	Seward	6/27	59° 30.00'	-149° 12.23'	124	6.0	1,309	67	443	50	5	30	0
4181	3A	Seward	6/27	59° 30.01'	-149° 32.15'	57	6.0	206	14	780	114	0	5	0
4182	3A	Seward	6/28	59° 30.02'	-149° 52.20'	110	6.0	1,174	58	227	26	0	5	0
4183	3A	Seward	6/28	59° 30.01'	-150° 10.72'	72	6.0	184	12	52	6	10	15	0
4184	3A	Seward	7/5	59° 40.01'	-147° 53.21'	36	5.9	1,965	80	646	80	0	0	29
4185	3A	Seward	7/5	59° 39.98'	-148° 13.00'	67	6.0	90	6	129	16	0	0	0
4186	3A	Seward	7/4	59° 39.99'	-148° 32.24'	113	6.0	51	1	35	5	5	15	0
4187	3A	Seward	7/4	59° 40.00'	-148° 51.94'	96	6.0	85	5	50	6	0	5	0
4188	3A	Seward	7/2	59° 40.00'	-149° 12.13'	113	6.0	736	38	123	14	0	15	0
4189	3A	Seward	7/2	59° 39.91'	-149° 31.98'	150	5.9	301	17	209	24	0	49	0
4190	3A	Seward	7/5	59° 49.99'	-148° 12.50'	47	6.0	381	16	302	43	0	10	0
4191	3A	Seward	7/4	59° 50.00'	-148° 31.93'	73	6.0	192	9	34	4	0	0	0
4192	3A	Seward	7/4	59° 50.00'	-148° 52.06'	92	6.0	95	5	39	5	5	0	0
4193	3A	Seward	7/2	59° 50.02'	-149° 12.48'	75	6.0	936	44	251	34	0	0	0
4194	3A	Seward	7/2	59° 50.00'	-149° 32.69'	66	6.0	390	17	78	11	0	5	0
4195	3A	Gore Pt.	6/19	58° 00.51'	-149° 09.95'	74	5.9	2,707	176	1,126	128	0	0	30
4196	3A	Gore Pt.	6/19	58° 09.86'	-148° 54.45'	69	6.0	1,736	113	580	69	0	0	15
4197	3A	Gore Pt.	6/19	58° 09.96'	-149° 13.06'	63	6.0	1,992	123	520	60	0	0	20
4198	3A	Gore Pt.	6/18	58° 09.92'	-149° 32.02'	59	6.0	591	43	499	66	0	0	25
4199	3A	Gore Pt.	6/18	58° 09.63'	-149° 51.08'	76	6.0	459	30	926	115	0	0	15
4200	3A	Gore Pt.	6/17	58° 20.00'	-148° 35.75'	91	6.0	905	53	573	73	5	25	0
4201	3A	Gore Pt.	6/17	58° 20.01'	-148° 54.12'	68	6.0	621	44	809	99	0	0	20
4202	3A	Gore Pt.	6/8	58° 20.01'	-149° 13.18'	86	6.0	1,438	101	624	70	0	10	0
4203	3A	Gore Pt.	6/8	58° 20.01'	-149° 31.72'	82	6.0	915	66	528	61	0	0	0
4204	3A	Gore Pt.	6/18	58° 19.98'	-149° 51.09'	41	6.0	899	60	1,211	147	0	0	0
4205	3A	Gore Pt.	6/10	58° 20.00'	-150° 10.12'	29	6.0	1,661	102	1,387	172	0	0	0
4206	3A	Gore Pt.	6/9	58° 20.00'	-150° 28.84'	31	6.0	162	9	809	120	0	5	0
4207	3A	Gore Pt.	6/17	58° 29.99'	-148° 34.22'	73	6.0	1,526	101	905	109	0	0	5
4208	3A	Gore Pt.	6/17	58° 30.01'	-148° 52.95'	61	6.0	1,410	82	844	108	0	0	10
4209	3A	Gore Pt.	6/8	58° 29.99'	-149° 13.06'	67	6.0	867	56	677	84	0	5	0
4210	3A	Gore Pt.	6/8	58° 30.01'	-149° 32.05'	77	6.0	683	46	465	58	0	0	0
4211	3A	Gore Pt.	6/10	58° 30.01'	-149° 50.83'	77	6.0	632	43	877	104	0	0	0
4212	3A	Gore Pt.	6/10	58° 30.01'	-150° 09.76'	51	6.0	695	45	509	66	0	0	0
4213	3A	Gore Pt.	6/9	58° 30.02'	-150° 28.77'	49	6.0	81	7	616	86	0	0	0
4214	3A	Gore Pt.	6/9	58° 29.98'	-150° 47.81'	56	6.0	333	22	564	67	0	0	0
4215	3A	Gore Pt.	6/16	58° 40.01'	-149° 13.16'	74	6.0	626	44	682	87	10	0	0
4216	3A	Gore Pt.	6/7	58° 40.00'	-149° 31.95'	72	6.0	244	17	532	67	0	0	0
4217	3A	Gore Pt.	6/12	58° 40.02'	-149° 51.09'	83	6.0	425	31	640	77	5	25	0

¹ Skate = 1,800' groundline, 16/0 circle hooks at 18' spacing, 24"-42" gangions.

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**2016 IPHC Stock Assessment Survey
All Regions**

Station	Reg Area	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set ¹	O32 Halibut		U32 Halibut		Bycatch (numbers) ³		
								Lbs. ²	#s	Lbs. ²	#s	Sablefish	P. Cod	Rockfish
4218	3A	Gore Pt.	6/12	58° 40.00'	-150° 10.07'	69	6.0	1,286	79	777	96	0	5	0
4219	3A	Gore Pt.	6/11	58° 40.00'	-150° 29.36'	111	6.0	298	21	155	19	0	0	0
4220	3A	Gore Pt.	6/11	58° 40.01'	-150° 49.08'	111	6.0	367	25	394	46	0	45	0
4221	3A	Gore Pt.	6/3	58° 40.00'	-151° 07.45'	102	6.0	167	12	169	21	5	0	0
4222	3A	Gore Pt.	6/7	58° 50.00'	-149° 32.02'	121	6.0	1,641	94	319	35	50	0	0
4224	3A	Gore Pt.	6/12	58° 50.00'	-150° 10.16'	88	6.0	579	41	552	66	15	5	15
4225	3A	Gore Pt.	6/11	58° 50.01'	-150° 30.36'	95	6.0	527	39	532	61	0	59	0
4226	3A	Gore Pt.	6/4	58° 50.00'	-150° 48.57'	96	6.0	91	4	91	10	0	5	0
4227	3A	Gore Pt.	6/3	58° 50.02'	-151° 07.78'	78	6.0	727	47	665	80	0	0	0
4228	3A	Gore Pt.	6/3	58° 50.00'	-151° 27.91'	58	6.0	345	25	423	54	0	0	15
4229	3A	Gore Pt.	5/30	59° 00.01'	-149° 51.23'	122	6.0	472	30	155	19	0	0	0
4230	3A	Gore Pt.	5/30	59° 00.01'	-150° 11.43'	103	6.0	154	11	200	23	0	0	0
4231	3A	Gore Pt.	6/4	59° 00.00'	-150° 30.07'	64	6.0	84	6	128	16	0	0	0
4232	3A	Gore Pt.	6/4	58° 59.99'	-150° 50.14'	88	6.0	807	53	736	85	0	0	0
4233	3A	Gore Pt.	6/2	58° 59.99'	-151° 08.77'	82	6.0	1,074	64	477	55	0	10	20
4234	3A	Gore Pt.	6/2	59° 00.00'	-151° 27.88'	69	5.9	531	31	678	84	0	5	0
4235	3A	Gore Pt.	5/30	59° 10.00'	-150° 11.22'	68	6.0	312	20	233	28	0	0	5
4236	3A	Gore Pt.	6/1	59° 10.01'	-150° 30.34'	65	6.0	202	13	329	45	0	25	0
4237	3A	Gore Pt.	6/1	59° 10.00'	-150° 50.83'	54	6.0	1,004	48	674	87	0	0	24
4238	3A	Gore Pt.	6/2	59° 10.00'	-151° 08.63'	29	6.0	710	48	1,060	141	0	0	5
4239	3A	Gore Pt.	6/1	59° 19.89'	-150° 33.73'	142	6.0	57	1	0	0	0	0	0
4240	3A	Portlock	7/28	57° 19.99'	-150° 46.39'	81	5.9	1,184	70	533	66	0	59	5
4241	3A	Portlock	6/16	57° 30.13'	-150° 08.97'	242	6.0	25	2	27	3	84	0	10
4242	3A	Portlock	6/15	57° 30.00'	-150° 27.95'	81	6.0	552	36	522	64	0	25	0
4243	3A	Portlock	6/15	57° 29.95'	-150° 46.03'	52	5.9	917	50	1,171	148	0	5	0
4244	3A	Portlock	6/16	57° 40.05'	-149° 50.15'	219	6.0	46	3	30	3	59	0	10
4245	3A	Portlock	6/16	57° 39.86'	-150° 08.97'	117	6.0	859	55	411	46	64	25	0
4246	3A	Portlock	6/8	57° 40.19'	-150° 27.99'	50	6.0	275	19	826	117	0	15	0
4247	3A	Portlock	6/15	57° 39.97'	-150° 47.03'	46	6.0	2,355	128	1,295	156	0	5	0
4248	3A	Portlock	6/19	57° 39.90'	-151° 05.07'	40	6.0	735	51	989	132	0	5	0
4249	3A	Portlock	7/21	57° 39.97'	-151° 24.00'	34	6.0	228	10	675	106	0	0	0
4250	3A	Portlock	6/17	57° 50.16'	-149° 32.08'	174	6.0	1,835	110	269	28	50	5	5
4251	3A	Portlock	6/17	57° 50.06'	-149° 50.00'	140	5.9	359	22	193	23	10	0	0
4252	3A	Portlock	6/8	57° 50.01'	-150° 08.93'	106	6.0	306	21	472	58	0	20	0
4253	3A	Portlock	6/8	57° 49.91'	-150° 27.95'	50	6.0	1,886	112	1,241	159	0	0	5
4254	3A	Portlock	6/5	57° 49.89'	-150° 47.01'	45	6.0	348	23	944	124	0	0	0
4255	3A	Portlock	6/5	57° 50.02'	-151° 05.76'	39	6.0	1,277	53	1,250	178	0	25	0
4256	3A	Portlock	6/4	57° 49.98'	-151° 24.04'	28	6.0	422	17	986	158	0	5	0
4257	3A	Portlock	6/4	57° 49.89'	-151° 42.97'	29	6.0	126	7	1,057	177	0	20	0
4258	3A	Portlock	6/1	57° 50.00'	-152° 02.03'	50	5.8	488	28	718	104	0	34	0
4259	3A	Portlock	6/17	57° 59.89'	-149° 32.06'	77	6.0	924	57	904	108	0	15	0
4260	3A	Portlock	6/18	57° 59.82'	-149° 50.96'	128	6.0	1,079	73	740	83	35	25	0
4261	3A	Portlock	6/18	58° 00.17'	-150° 08.87'	128	6.0	331	26	677	79	22	38	0
4262	3A	Portlock	6/9	58° 00.23'	-150° 27.98'	91	6.0	218	17	453	57	5	30	5
4263	3A	Portlock	6/5	57° 59.97'	-150° 47.13'	70	5.9	359	25	979	125	0	5	0
4264	3A	Portlock	6/5	57° 59.97'	-151° 06.03'	44	6.0	425	27	1,192	167	0	0	0
4265	3A	Portlock	6/3	58° 00.11'	-151° 24.98'	45	6.0	243	17	1,038	144	0	25	0
4266	3A	Portlock	6/4	57° 59.86'	-151° 43.99'	61	6.0	376	25	1,324	168	0	44	0
4267	3A	Portlock	6/1	58° 00.00'	-152° 03.04'	50	6.0	1,034	61	458	57	10	15	0
4268	3A	Portlock	6/1	57° 59.95'	-152° 21.75'	124	5.9	514	24	169	22	5	49	0
4269	3A	Portlock	6/18	58° 08.60'	-150° 09.98'	109	6.0	1,092	77	938	108	0	15	10
4270	3A	Portlock	6/9	58° 09.93'	-150° 29.05'	63	6.0	1,286	75	1,279	172	0	0	0
4271	3A	Portlock	6/9	58° 09.98'	-150° 47.66'	61	6.0	86	6	350	49	0	0	0
4272	3A	Portlock	6/3	58° 09.95'	-151° 07.14'	78	6.0	406	28	349	42	0	5	0
4273	3A	Portlock	6/3	58° 10.00'	-151° 24.74'	87	6.0	778	46	602	73	0	10	0
4274	3A	Portlock	6/2	58° 09.95'	-151° 42.11'	35	6.0	1,394	66	505	66	0	0	0
4275	3A	Portlock	6/10	58° 20.02'	-150° 48.10'	36	6.0	48	4	305	48	0	0	0
4276	3A	Portlock	6/10	58° 20.05'	-151° 07.04'	70	5.9	356	26	730	93	0	25	0
4277	3A	Portlock	6/2	58° 20.00'	-151° 26.24'	38	6.0	303	23	721	100	0	0	0
4278	3A	Portlock	6/2	58° 20.02'	-151° 44.94'	29	5.9	2,592	118	574	69	0	0	0
4279	3A	Portlock	6/10	58° 30.02'	-151° 06.91'	50	6.0	139	8	852	113	0	0	0
4280	3A	Portlock	6/11	58° 29.84'	-151° 27.05'	94	6.0	770	50	946	111	0	5	0
4281	3A	Portlock	6/11	58° 30.05'	-151° 45.89'	96	6.0	1,368	78	605	70	5	0	0
4282	3A	Portlock	6/11	58° 39.89'	-151° 26.98'	102	6.0	887	51	588	69	15	15	0
4283	3A	Portlock	6/12	58° 39.98'	-151° 48.08'	69	6.0	1,470	87	1,138	136	0	5	0
4284	3A	Portlock	6/12	58° 40.01'	-152° 05.95'	70	6.0	1,062	75	844	107	0	0	0
4285	3A	Portlock	6/12	58° 48.87'	-152° 05.96'	65	6.0	741	36	659	86	0	5	35

¹ Skate = 1,800' groundline, 16/0 circle hooks at 18' spacing, 24"-42" gangions.

² Weights calculated from length-weight tables.

³ Bycatch extrapolated from 20% subsample, except 2B (100%) and select stations in 2A

**2016 IPHC Stock Assessment Survey
All Regions**

Station	Reg Area	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set ¹	O32 Halibut		U32 Halibut		Bycatch (numbers) ³		
								Lbs. ²	#'s	Lbs. ²	#'s	Sablefish	P. Cod	Rockfish
4286	3A	Albatross	7/24	56° 19.99'	-152° 50.37'	59	5.9	1,762	111	725	94	0	0	15
4287	3A	Albatross	7/24	56° 19.97'	-153° 07.57'	57	6.0	320	21	243	32	0	25	0
4288	3A	Albatross	6/24	56° 19.96'	-153° 25.98'	33	6.0	810	37	341	44	0	0	0
4289	3A	Albatross	8/2	56° 30.07'	-152° 15.34'	138	5.9	295	20	398	47	5	10	25
4290	3A	Albatross	8/2	56° 30.12'	-152° 33.05'	145	5.9	661	34	239	27	39	5	5
4291	3A	Albatross	6/22	56° 30.00'	-152° 51.11'	28	6.0	2,525	103	656	83	0	0	0
4292	3A	Albatross	7/24	56° 29.97'	-153° 08.19'	40	5.9	301	22	451	60	0	54	0
4293	3A	Albatross	6/24	56° 29.98'	-153° 27.12'	49	6.0	794	43	871	122	0	10	0
4294	3A	Albatross	6/24	56° 30.01'	-153° 44.80'	38	6.0	1,602	70	210	27	0	54	5
4295	3A	Albatross	7/30	56° 40.20'	-151° 57.11'	31	6.0	3,972	197	985	114	0	0	0
4296	3A	Albatross	8/2	56° 40.00'	-152° 15.63'	27	6.0	1,756	89	345	44	0	0	0
4297	3A	Albatross	8/2	56° 39.97'	-152° 33.78'	81	5.9	621	45	606	75	10	0	0
4298	3A	Albatross	6/22	56° 39.91'	-152° 51.97'	38	6.0	576	32	993	156	0	0	0
4299	3A	Albatross	6/22	56° 39.92'	-153° 09.93'	81	5.9	151	8	36	5	0	0	0
4300	3A	Albatross	6/23	56° 40.09'	-153° 27.99'	79	5.9	1,046	58	541	68	0	0	0
4301	3A	Albatross	6/23	56° 40.04'	-153° 45.20'	43	6.0	643	28	414	58	0	54	0
4302	3A	Albatross	7/30	56° 49.97'	-151° 40.22'	161	5.9	407	26	279	32	29	5	54
4303	3A	Albatross	7/30	56° 50.00'	-151° 57.52'	41	6.0	2,550	107	818	108	0	0	0
4304	3A	Albatross	8/1	56° 50.02'	-152° 16.02'	50	6.0	421	25	864	112	0	0	0
4305	3A	Albatross	8/1	56° 49.99'	-152° 34.61'	76	5.9	408	23	470	61	5	0	0
4306	3A	Albatross	7/6	56° 50.14'	-152° 53.01'	35	6.0	239	16	537	84	0	0	0
4307	3A	Albatross	7/6	56° 50.09'	-153° 10.68'	45	5.8	608	41	810	111	0	0	0
4308	3A	Albatross	6/23	56° 49.99'	-153° 28.99'	54	5.9	438	27	616	90	0	0	0
4309	3A	Albatross	7/29	57° 00.01'	-151° 40.25'	38	5.9	3,081	146	863	97	0	0	5
4310	3A	Albatross	7/29	57° 00.24'	-151° 58.95'	44	6.0	285	16	544	75	0	5	0
4311	3A	Albatross	8/1	56° 59.87'	-152° 17.05'	40	5.9	643	35	777	114	0	0	0
4312	3A	Albatross	7/23	57° 00.28'	-152° 35.04'	83	6.0	520	36	755	92	10	0	0
4313	3A	Albatross	7/6	56° 59.99'	-152° 53.76'	62	5.9	635	31	440	67	0	25	0
4314	3A	Albatross	7/28	57° 10.17'	-151° 04.28'	206	6.0	383	22	113	13	79	0	15
4315	3A	Albatross	7/27	57° 10.00'	-151° 22.11'	69	5.9	1,111	76	1,027	119	0	29	0
4316	3A	Albatross	7/27	57° 10.08'	-151° 41.00'	37	5.9	1,143	57	692	90	0	15	0
4317	3A	Albatross	7/29	57° 09.87'	-151° 58.96'	37	6.0	787	38	653	94	0	0	0
4318	3A	Albatross	7/23	57° 09.99'	-152° 18.24'	44	6.0	529	30	548	84	0	15	0
4319	3A	Albatross	7/23	57° 09.99'	-152° 35.64'	54	6.0	384	24	350	53	5	30	0
4320	3A	Albatross	7/28	57° 19.89'	-151° 03.98'	50	5.9	1,005	53	737	90	0	10	0
4321	3A	Albatross	7/22	57° 20.12'	-151° 22.98'	73	6.0	1,025	67	1,523	176	5	10	0
4322	3A	Albatross	7/27	57° 20.06'	-151° 41.00'	34	5.9	893	32	421	64	0	0	0
4323	3A	Albatross	7/3	57° 20.02'	-152° 00.14'	39	6.0	564	24	484	69	0	0	0
4324	3A	Albatross	7/3	57° 19.73'	-152° 18.01'	21	5.9	1,454	48	127	20	0	0	0
4325	3A	Albatross	6/19	57° 29.96'	-151° 05.01'	43	6.0	1,003	49	874	111	0	10	0
4326	3A	Albatross	7/22	57° 29.91'	-151° 23.03'	55	6.0	328	21	734	90	0	25	0
4327	3A	Albatross	7/22	57° 30.18'	-151° 42.00'	65	6.0	239	17	886	113	5	10	0
4328	3A	Albatross	7/3	57° 29.95'	-152° 01.00'	26	5.9	1,087	43	264	36	0	5	0
4329	3A	Albatross	7/21	57° 39.94'	-151° 42.64'	36	6.0	21	1	605	95	0	0	0
4330	3A	Albatross	7/21	57° 39.99'	-152° 00.84'	103	5.9	1,324	77	755	88	5	15	0
4331	3A	Shelikof	6/22	57° 29.82'	-154° 55.23'	126	6.0	286	16	107	14	20	15	0
4332	3A	Shelikof	6/23	57° 39.97'	-154° 35.22'	118	6.0	34	2	21	3	10	0	0
4333	3A	Shelikof	6/22	57° 39.61'	-154° 54.35'	127	6.0	333	17	63	7	20	0	0
4334	3A	Shelikof	6/22	57° 39.93'	-155° 13.14'	161	6.0	118	7	154	21	10	30	0
4335	3A	Shelikof	6/24	57° 50.15'	-154° 14.95'	113	6.0	128	9	103	14	30	5	0
4336	3A	Shelikof	6/23	57° 49.91'	-154° 34.27'	125	6.0	174	5	20	2	5	0	0
4337	3A	Shelikof	6/23	57° 49.68'	-154° 53.32'	159	6.0	188	12	265	34	5	35	0
4338	3A	Shelikof	6/25	58° 00.02'	-153° 36.63'	88	6.0	369	21	127	16	5	20	0
4339	3A	Shelikof	6/24	58° 00.05'	-153° 56.24'	107	6.0	149	9	113	16	0	5	0
4340	3A	Shelikof	6/24	57° 59.93'	-154° 14.38'	127	6.0	65	5	142	18	5	0	0
4341	3A	Shelikof	6/25	58° 10.00'	-153° 18.71'	67	6.0	31	2	137	20	0	5	0
4342	3A	Shelikof	6/25	58° 10.07'	-153° 38.09'	105	6.0	100	4	44	6	5	5	0
4343	3A	Shelikof	6/26	58° 09.82'	-153° 57.66'	117	6.0	331	20	113	14	10	0	0
4344	3A	Shelikof	6/11	58° 20.02'	-153° 20.06'	96	6.0	340	20	41	5	5	0	0
4345	3A	Shelikof	6/26	58° 20.14'	-153° 38.83'	94	6.0	215	8	10	1	5	5	0
4346	3A	Shelikof	6/26	58° 20.05'	-153° 57.99'	48	6.0	599	24	477	72	0	25	0
4347	3A	Shelikof	6/11	58° 30.11'	-153° 01.70'	92	6.0	362	21	196	26	0	0	0
4348	3A	Shelikof	6/11	58° 29.74'	-153° 21.23'	100	6.0	412	21	173	21	0	0	0
4349	3A	Shelikof	6/10	58° 30.17'	-153° 40.74'	51	6.0	431	21	154	21	0	20	0
4350	3A	Shelikof	6/12	58° 39.93'	-152° 44.05'	107	6.0	336	20	164	21	5	30	0
4351	3A	Shelikof	6/10	58° 40.08'	-153° 03.02'	86	6.0	1,371	69	302	36	5	15	0
4352	3A	Shelikof	6/10	58° 40.27'	-153° 22.98'	24	6.0	123	5	150	27	0	20	0

¹ Skate = 1,800' groundline, 16/0 circle hooks at 18' spacing, 24"-42" gangions.

² Weights calculated from length-weight tables.

³ Bycatch extrapolated from 20% subsample, except 2B (100%) and select stations in 2A

**2016 IPHC Stock Assessment Survey
All Regions**

Station	Reg Area	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set ¹	O32 Halibut		U32 Halibut		Bycatch (numbers) ³		
								Lbs. ²	#'s	Lbs. ²	#'s	Sablefish	P. Cod	Rockfish
4353	3A	Shelikof	6/12	58° 50.09'	-152° 26.05'	100	6.0	550	29	304	35	0	25	0
4354	3A	Shelikof	6/3	58° 50.61'	-152° 45.11'	103	6.0	138	10	184	23	0	35	0
4355	3A	Shelikof	6/3	58° 50.05'	-153° 04.02'	90	6.0	189	8	110	13	0	0	0
4356	3A	Shelikof	6/13	58° 59.83'	-151° 47.69'	70	6.0	302	19	1,101	148	0	0	0
4357	3A	Shelikof	6/15	59° 00.05'	-152° 07.65'	76	6.0	815	43	504	60	0	0	0
4358	3A	Shelikof	6/12	58° 59.93'	-152° 26.94'	83	6.0	79	5	275	34	0	0	0
4359	3A	Shelikof	6/3	58° 59.95'	-152° 45.98'	90	6.0	139	10	337	42	0	20	0
4360	3A	Shelikof	6/4	59° 00.43'	-153° 05.27'	81	6.0	104	7	97	13	0	0	0
4361	3A	Shelikof	6/15	59° 09.99'	-152° 07.88'	76	6.0	745	47	891	109	0	0	0
4362	3A	Shelikof	6/2	59° 10.14'	-152° 27.01'	54	6.0	12	1	196	30	0	0	0
4363	3A	Shelikof	6/2	59° 09.97'	-152° 46.96'	75	6.0	53	2	110	16	0	0	0
4364	3A	Shelikof	6/4	59° 10.04'	-153° 06.03'	45	6.0	0	0	65	10	0	5	0
4365	3A	Shelikof	6/4	59° 10.19'	-153° 26.13'	23	6.0	233	10	88	14	0	5	0
4366	3A	Shelikof	6/14	59° 19.92'	-152° 11.82'	42	6.0	220	14	895	143	0	0	0
4367	3A	Shelikof	6/2	59° 19.98'	-152° 28.12'	39	6.0	13	1	356	61	0	0	0
4368	3A	Shelikof	6/1	59° 19.70'	-152° 48.05'	43	6.0	86	4	131	19	0	0	0
4369	3A	Shelikof	6/5	59° 19.93'	-153° 08.24'	27	6.0	48	3	138	24	0	5	0
4370	3A	Shelikof	6/14	59° 30.03'	-151° 50.20'	40	6.0	377	24	604	85	0	5	0
4371	3A	Shelikof	6/14	59° 29.86'	-152° 08.97'	23	6.0	218	14	815	115	0	0	0
4372	3A	Shelikof	5/31	59° 30.09'	-152° 28.91'	31	6.0	13	1	64	9	0	20	0
4373	3A	Shelikof	6/1	59° 30.02'	-152° 49.07'	28	6.0	242	11	228	34	0	20	0
4374	3A	Shelikof	5/31	59° 39.86'	-152° 30.02'	41	6.0	462	25	221	28	0	20	0
4375	3A	Shelikof	5/31	59° 49.74'	-152° 11.06'	27	6.0	1,065	57	714	103	0	5	0
5001	3B	Trinity	6/25	56° 00.11'	-153° 36.00'	53	6.0	1,222	76	794	102	0	0	0
5002	3B	Trinity	6/25	56° 00.00'	-153° 53.90'	67	6.0	136	11	660	97	0	0	0
5003	3B	Trinity	7/1	56° 00.01'	-154° 13.41'	59	6.0	1,163	66	787	93	0	0	25
5004	3B	Trinity	7/1	55° 59.98'	-154° 30.11'	246	6.0	0	0	0	0	69	0	5
5005	3B	Trinity	6/30	55° 59.97'	-154° 48.45'	118	6.0	186	11	91	11	35	0	5
5006	3B	Trinity	6/30	56° 00.08'	-155° 06.03'	31	5.8	70	4	608	100	0	34	0
5007	3B	Trinity	6/25	56° 09.99'	-153° 36.04'	87	6.0	454	30	537	66	0	15	0
5008	3B	Trinity	6/26	56° 10.04'	-153° 53.03'	124	6.0	1,139	80	604	68	30	20	0
5009	3B	Trinity	7/1	56° 09.88'	-154° 11.00'	64	5.9	321	22	376	58	0	0	0
5010	3B	Trinity	7/2	56° 09.98'	-154° 29.19'	50	5.8	890	44	375	53	0	0	5
5011	3B	Trinity	7/2	56° 10.04'	-154° 47.10'	44	5.8	212	15	578	78	0	5	0
5013	3B	Trinity	6/30	56° 09.98'	-155° 22.93'	19	5.9	113	7	242	40	0	10	0
5014	3B	Trinity	6/29	56° 10.12'	-155° 41.03'	33	5.9	388	13	388	61	0	5	0
5015	3B	Trinity	6/26	56° 20.01'	-153° 51.09'	49	6.0	427	22	663	105	0	5	0
5016	3B	Trinity	6/26	56° 19.98'	-154° 09.97'	51	5.9	356	20	512	78	0	34	0
5017	3B	Trinity	7/2	56° 19.99'	-154° 28.09'	33	6.0	200	12	182	27	0	0	0
5018	3B	Trinity	6/29	56° 20.01'	-155° 22.43'	25	6.0	119	8	186	32	0	0	0
5019	3B	Trinity	6/29	56° 20.01'	-155° 39.64'	39	6.0	305	14	378	64	0	50	0
5020	3B	Trinity	7/9	56° 30.21'	-155° 21.03'	28	5.9	68	3	305	53	0	10	0
5021	3B	Trinity	7/10	56° 30.20'	-155° 39.37'	72	6.0	229	16	106	15	15	10	0
5022	3B	Trinity	7/9	56° 39.91'	-155° 02.09'	23	6.0	743	32	119	17	0	5	0
5023	3B	Trinity	7/9	56° 40.00'	-155° 19.56'	49	6.0	312	19	559	75	0	40	0
5024	3B	Trinity	7/10	56° 39.99'	-155° 37.85'	129	6.0	69	3	21	3	5	5	0
5025	3B	Trinity	7/13	56° 40.07'	-155° 55.84'	158	6.0	99	7	119	15	20	15	0
5026	3B	Trinity	7/7	56° 49.99'	-154° 23.96'	34	5.9	1,568	64	226	33	0	0	0
5027	3B	Trinity	7/7	56° 50.04'	-154° 41.95'	25	5.9	399	20	375	57	0	0	0
5028	3B	Trinity	7/8	56° 50.17'	-155° 00.00'	41	5.9	383	21	691	96	0	15	0
5029	3B	Trinity	7/8	56° 50.00'	-155° 18.31'	120	5.9	132	9	134	19	20	0	5
5030	3B	Trinity	7/12	56° 50.31'	-155° 36.94'	152	6.0	100	7	80	11	40	10	0
5031	3B	Trinity	7/13	56° 49.53'	-155° 54.88'	165	5.8	112	8	261	33	48	24	0
5032	3B	Trinity	7/7	56° 59.88'	-154° 41.01'	22	6.0	524	23	325	55	0	0	0
5033	3B	Trinity	7/8	56° 59.99'	-154° 58.93'	61	5.9	187	9	175	25	5	25	0
5034	3B	Trinity	7/12	56° 59.94'	-155° 17.97'	138	5.9	74	5	78	9	29	0	0
5035	3B	Trinity	7/12	56° 59.98'	-155° 35.81'	153	6.0	89	5	102	12	15	10	0
5036	3B	Trinity	7/13	56° 59.83'	-155° 53.93'	164	5.9	910	62	732	91	10	39	0
5037	3B	Trinity	7/17	57° 10.04'	-154° 40.15'	31	6.0	772	28	341	52	0	5	0
5038	3B	Trinity	7/17	57° 09.99'	-154° 57.73'	96	6.0	302	19	323	39	15	5	0
5039	3B	Trinity	7/16	57° 10.01'	-155° 16.44'	134	6.0	119	7	163	19	35	5	0
5040	3B	Trinity	7/16	57° 09.99'	-155° 34.33'	148	6.0	325	20	249	31	40	15	0
5041	3B	Trinity	7/14	57° 10.00'	-155° 52.52'	135	5.9	579	36	406	48	15	78	0
5042	3B	Trinity	7/17	57° 19.89'	-154° 56.90'	101	5.9	268	14	369	49	20	10	0
5043	3B	Trinity	7/16	57° 19.75'	-155° 14.90'	133	6.0	203	12	128	15	25	5	0
5044	3B	Trinity	7/15	57° 20.18'	-155° 33.99'	156	5.9	207	14	293	38	34	5	0
5045	3B	Trinity	7/15	57° 20.08'	-155° 51.99'	51	6.0	324	20	947	132	0	20	0

¹ Skate = 1,800' groundline, 16/0 circle hooks at 18' spacing, 24"-42" gangions.

² Weights calculated from length-weight tables.

³ Bycatch extrapolated from 20% subsample, except 2B (100%) and select stations in 2A

**2016 IPHC Stock Assessment Survey
All Regions**

Station	Reg Area	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set ¹	O32 Halibut		U32 Halibut		Bycatch (numbers) ³		
								Lbs. ²	#s	Lbs. ²	#s	Sablefish	P. Cod	Rockfish
5046	3B	Trinity	7/14	57° 20.05'	-156° 10.27'	103	5.9	746	34	490	66	0	44	0
5047	3B	Trinity	7/18	57° 30.04'	-155° 14.88'	141	5.9	82	4	64	8	34	20	0
5048	3B	Trinity	7/15	57° 29.94'	-155° 32.95'	164	6.0	420	24	324	42	10	15	0
5096	3B	Chignik	6/12	54° 50.20'	-157° 32.99'	203	6.0	131	8	117	12	83	0	20
5097	3B	Chignik	6/12	54° 49.99'	-157° 49.91'	91	6.0	170	13	276	37	5	40	5
5098	3B	Chignik	6/11	55° 00.11'	-157° 14.99'	105	6.0	160	12	174	21	0	50	0
5099	3B	Chignik	6/11	55° 00.01'	-157° 32.16'	55	6.0	783	55	714	95	0	74	10
5100	3B	Chignik	6/12	55° 00.01'	-157° 50.04'	45	6.0	2,052	108	926	115	0	15	35
5101	3B	Chignik	6/12	54° 59.99'	-158° 07.09'	73	6.0	258	16	773	127	0	40	0
5102	3B	Chignik	6/7	55° 09.94'	-156° 22.02'	288	6.0	0	0	0	0	25	0	0
5103	3B	Chignik	6/7	55° 09.86'	-156° 39.36'	290	6.0	0	0	0	0	20	0	5
5104	3B	Chignik	6/7	55° 09.98'	-156° 57.16'	84	6.0	263	21	406	54	0	45	0
5105	3B	Chignik	6/11	55° 10.01'	-157° 14.01'	62	6.0	322	22	882	142	0	114	0
5106	3B	Chignik	6/11	55° 10.00'	-157° 31.89'	47	6.0	1,642	87	1,036	140	0	59	0
5107	3B	Chignik	6/13	55° 09.99'	-157° 49.11'	43	6.0	1,070	51	818	120	0	10	0
5108	3B	Chignik	6/13	55° 10.01'	-158° 07.06'	56	6.0	588	38	984	154	0	29	0
5109	3B	Chignik	6/8	55° 19.87'	-156° 39.02'	65	6.0	1,097	74	1,030	140	0	81	0
5110	3B	Chignik	6/8	55° 19.89'	-156° 56.01'	51	6.0	717	49	1,187	161	0	64	20
5111	3B	Chignik	6/10	55° 19.99'	-157° 14.00'	50	6.0	686	38	1,210	190	0	59	0
5112	3B	Chignik	6/10	55° 19.83'	-157° 31.01'	47	6.0	507	29	1,221	191	0	25	0
5113	3B	Chignik	6/13	55° 19.98'	-157° 49.01'	44	6.0	233	12	868	147	0	74	0
5114	3B	Chignik	6/13	55° 20.01'	-158° 05.97'	59	5.8	137	10	666	109	0	44	0
5115	3B	Chignik	6/14	55° 20.06'	-158° 24.01'	80	6.0	298	22	477	62	0	86	0
5116	3B	Chignik	6/8	55° 30.01'	-156° 37.84'	100	6.0	481	31	291	42	0	84	0
5117	3B	Chignik	6/8	55° 30.01'	-156° 54.93'	49	6.0	2,503	152	924	117	0	10	5
5118	3B	Chignik	6/10	55° 29.99'	-157° 12.96'	49	6.0	863	47	506	78	0	114	0
5119	3B	Chignik	6/10	55° 30.01'	-157° 31.05'	52	6.0	371	19	578	101	0	90	0
5120	3B	Chignik	6/21	55° 30.00'	-157° 48.01'	52	6.0	459	30	917	142	0	50	0
5121	3B	Chignik	6/21	55° 30.01'	-158° 06.06'	71	6.0	363	26	735	102	20	35	0
5122	3B	Chignik	6/14	55° 30.05'	-158° 24.01'	79	6.0	69	5	180	28	5	24	0
5123	3B	Chignik	6/9	55° 40.03'	-156° 54.93'	50	6.0	807	51	1,120	167	0	137	0
5124	3B	Chignik	6/9	55° 40.01'	-157° 13.08'	47	6.0	192	12	660	109	0	139	0
5125	3B	Chignik	6/21	55° 39.99'	-157° 30.06'	54	6.0	422	25	649	109	0	163	0
5126	3B	Chignik	6/21	55° 40.00'	-157° 48.00'	72	6.0	401	28	936	133	0	40	0
5127	3B	Chignik	6/20	55° 39.99'	-158° 06.13'	69	6.0	397	23	799	117	20	10	0
5128	3B	Chignik	6/20	55° 39.93'	-158° 22.99'	70	6.0	131	10	850	132	0	10	0
5129	3B	Chignik	6/14	55° 40.03'	-158° 40.95'	49	6.0	265	16	825	138	0	109	0
5130	3B	Chignik	6/9	55° 50.01'	-157° 12.23'	56	6.0	88	7	587	110	0	74	0
5131	3B	Chignik	6/9	55° 49.92'	-157° 30.01'	56	6.0	416	28	615	104	0	83	0
5132	3B	Chignik	6/22	55° 49.92'	-157° 47.99'	66	6.0	379	25	818	129	0	74	0
5133	3B	Chignik	6/20	55° 49.99'	-158° 05.06'	43	6.0	856	49	517	74	0	248	0
5134	3B	Chignik	6/20	55° 49.99'	-158° 23.08'	60	6.0	675	42	684	103	0	59	0
5135	3B	Chignik	6/22	56° 00.01'	-157° 28.95'	65	6.0	439	28	925	137	0	10	0
5136	3B	Chignik	6/22	55° 59.90'	-157° 46.98'	68	6.0	191	12	759	126	5	10	0
5137	3B	Chignik	6/19	56° 00.04'	-158° 05.00'	45	6.0	208	10	620	118	0	15	0
5138	3B	Chignik	6/19	56° 10.05'	-157° 47.00'	86	6.0	1,628	88	463	58	0	90	0
5139	3B	Chignik	6/19	56° 09.99'	-158° 04.95'	38	6.0	526	23	199	38	0	83	0
5140	3B	Chignik	6/19	56° 19.99'	-158° 03.92'	41	6.0	773	28	130	22	0	40	30
5141	3B	Shumagin	6/16	54° 30.23'	-159° 00.05'	145	6.0	41	3	47	6	25	10	20
5142	3B	Shumagin	6/16	54° 30.27'	-159° 17.05'	76	6.0	64	5	257	37	5	205	0
5143	3B	Shumagin	6/15	54° 30.09'	-159° 34.01'	60	6.0	847	56	782	95	0	90	10
5144	3B	Shumagin	6/15	54° 30.15'	-159° 51.03'	63	6.0	180	12	379	63	0	35	0
5145	3B	Shumagin	6/17	54° 29.83'	-160° 08.98'	65	6.0	127	9	591	95	0	40	0
5146	3B	Shumagin	6/4	54° 40.09'	-158° 25.00'	115	6.0	659	45	588	73	5	120	0
5147	3B	Shumagin	6/14	54° 40.02'	-158° 42.15'	56	6.0	752	48	471	65	0	95	50
5148	3B	Shumagin	6/14	54° 39.99'	-159° 00.31'	49	6.0	701	45	599	85	0	70	0
5149	3B	Shumagin	6/16	54° 40.13'	-159° 17.04'	39	6.0	536	26	466	74	0	65	0
5150	3B	Shumagin	6/15	54° 40.00'	-159° 34.66'	32	6.0	924	37	142	21	0	20	0
5151	3B	Shumagin	6/15	54° 39.97'	-159° 52.00'	40	6.0	1,100	55	459	69	0	10	0
5152	3B	Shumagin	6/10	54° 40.03'	-160° 08.74'	49	6.0	940	49	615	94	0	30	0
5153	3B	Shumagin	6/4	54° 50.02'	-158° 07.08'	56	6.0	652	46	756	107	0	60	10
5154	3B	Shumagin	6/4	54° 49.97'	-158° 24.76'	108	6.0	1,089	65	516	67	15	0	5
5155	3B	Shumagin	6/14	54° 50.03'	-158° 42.27'	53	6.0	396	23	587	92	0	65	0
5156	3B	Shumagin	6/14	54° 50.02'	-159° 00.38'	37	6.0	65	5	462	82	0	110	0
5157	3B	Shumagin	6/10	54° 49.87'	-159° 51.94'	30	6.0	158	6	176	32	0	75	0
5158	3B	Shumagin	6/10	54° 49.97'	-160° 09.00'	37	6.0	275	14	335	64	0	80	0
5159	3B	Shumagin	6/18	54° 50.02'	-160° 26.00'	44	6.0	61	4	358	65	0	100	0

¹ Skate = 1,800' groundline, 16/0 circle hooks at 18' spacing, 24"-42" gangions.

² Weights calculated from length-weight tables.

³ Bycatch extrapolated from 20% subsample, except 2B (100%) and select stations in 2A

**2016 IPHC Stock Assessment Survey
All Regions**

Station	Reg Area	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set ¹	O32 Halibut		U32 Halibut		Bycatch (numbers) ³		
								Lbs. ²	#'s	Lbs. ²	#'s	Sablefish	P. Cod	Rockfish
5160	3B	Shumagin	6/5	54° 59.93'	-158° 24.60'	110	6.0	1,083	67	344	41	55	40	10
5161	3B	Shumagin	6/5	55° 00.03'	-158° 42.01'	68	6.0	477	31	605	89	0	65	0
5162	3B	Shumagin	6/13	55° 00.01'	-158° 58.80'	45	6.0	152	9	501	85	0	80	0
5163	3B	Shumagin	6/13	54° 59.00'	-159° 16.92'	22	6.0	367	13	102	18	0	45	0
5164	3B	Shumagin	6/19	54° 59.95'	-160° 27.16'	61	6.0	592	31	322	48	5	45	0
5165	3B	Shumagin	6/19	54° 59.98'	-160° 43.81'	49	6.0	405	16	226	45	0	25	0
5166	3B	Shumagin	6/5	55° 09.96'	-158° 24.04'	98	6.0	234	14	349	45	5	5	0
5167	3B	Shumagin	6/5	55° 09.99'	-158° 41.35'	111	6.0	474	33	378	45	40	10	0
5168	3B	Shumagin	6/13	55° 09.98'	-158° 59.09'	75	6.0	261	19	463	69	0	35	0
5169	3B	Shumagin	6/13	55° 09.98'	-159° 16.21'	39	6.0	386	21	233	38	0	100	0
5170	3B	Shumagin	6/8	55° 20.00'	-158° 42.59'	98	6.0	335	19	53	7	10	5	0
5171	3B	Shumagin	6/8	55° 19.88'	-158° 59.02'	100	6.0	180	8	42	6	5	0	0
5172	3B	Shumagin	6/6	55° 19.84'	-159° 16.93'	96	6.0	745	49	521	67	5	0	0
5173	3B	Shumagin	6/6	55° 20.11'	-159° 34.03'	75	6.0	299	20	498	68	0	0	0
5174	3B	Shumagin	6/9	55° 20.08'	-159° 52.00'	44	6.0	559	26	311	56	0	25	0
5175	3B	Shumagin	6/8	55° 30.05'	-158° 41.47'	88	6.0	365	21	119	18	0	0	0
5176	3B	Shumagin	6/8	55° 29.99'	-158° 59.27'	59	6.0	96	8	696	107	0	25	0
5177	3B	Shumagin	6/6	55° 29.81'	-159° 17.07'	65	6.0	247	17	642	96	0	70	0
5178	3B	Shumagin	6/6	55° 29.93'	-159° 34.01'	90	6.0	695	38	629	82	5	0	0
5179	3B	Shumagin	6/9	55° 29.95'	-159° 52.01'	91	6.0	374	23	303	41	0	5	0
5181	3B	Shumagin	6/7	55° 39.97'	-158° 58.97'	82	6.0	496	27	263	38	0	5	0
5182	3B	Shumagin	6/7	55° 39.99'	-159° 16.96'	56	6.0	515	32	463	67	0	45	0
5183	3B	Shumagin	6/9	55° 40.08'	-159° 51.97'	70	6.0	1,131	55	240	33	5	35	0
5184	3B	Shumagin	6/7	55° 50.00'	-158° 59.44'	66	6.0	1,332	62	489	67	0	40	0
5185	3B	Shumagin	6/7	55° 49.95'	-159° 16.98'	29	6.0	534	20	311	54	0	35	0
5186	3B	Sanak	7/4	54° 00.03'	-163° 14.75'	46	6.0	399	22	398	61	0	150	5
5187	3B	Sanak	7/4	53° 59.99'	-163° 32.12'	54	6.0	259	13	294	51	0	105	0
5188	3B	Sanak	7/4	54° 00.09'	-163° 49.00'	50	6.0	80	6	278	48	0	120	0
5189	3B	Sanak	6/27	54° 09.98'	-161° 34.33'	69	6.0	254	18	566	76	0	225	0
5190	3B	Sanak	6/27	54° 10.39'	-161° 50.98'	44	6.0	1,426	82	509	68	0	10	20
5191	3B	Sanak	6/28	54° 10.23'	-162° 08.05'	45	6.0	301	18	253	38	0	40	20
5192	3B	Sanak	6/28	54° 10.36'	-162° 23.73'	67	6.0	196	13	347	50	0	175	5
5193	3B	Sanak	7/4	54° 10.04'	-163° 50.00'	47	6.0	185	12	559	89	0	75	0
5194	3B	Sanak	6/17	54° 20.12'	-160° 08.00'	172	6.0	64	5	38	5	20	0	5
5195	3B	Sanak	6/17	54° 20.07'	-160° 26.00'	68	6.0	429	26	542	79	0	110	0
5196	3B	Sanak	6/22	54° 19.91'	-160° 42.98'	58	6.0	353	23	604	80	0	130	0
5197	3B	Sanak	6/22	54° 19.95'	-161° 00.03'	70	6.0	218	16	483	74	0	100	0
5198	3B	Sanak	6/26	54° 20.00'	-161° 17.12'	58	6.0	576	39	617	86	0	100	5
5199	3B	Sanak	6/26	54° 19.99'	-161° 33.78'	78	6.0	431	27	552	79	0	15	0
5200	3B	Sanak	6/27	54° 19.89'	-161° 50.98'	42	6.0	1,150	55	469	67	0	70	0
5201	3B	Sanak	6/28	54° 20.03'	-162° 08.99'	31	6.0	1,686	60	280	46	0	15	0
5202	3B	Sanak	7/2	54° 19.93'	-163° 17.01'	26	6.0	1,347	54	119	18	0	30	0
5203	3B	Sanak	7/2	54° 20.02'	-163° 33.98'	59	6.0	228	13	500	86	0	105	0
5204	3B	Sanak	7/3	54° 20.13'	-163° 51.02'	61	6.0	175	13	363	59	0	30	0
5205	3B	Sanak	7/3	54° 20.06'	-164° 09.09'	50	6.0	97	8	430	71	5	65	0
5206	3B	Sanak	6/17	54° 29.97'	-160° 26.04'	80	6.0	222	13	254	34	10	15	0
5207	3B	Sanak	6/22	54° 30.01'	-160° 43.03'	76	6.0	225	16	241	36	10	15	0
5208	3B	Sanak	6/22	54° 29.95'	-161° 00.01'	70	6.0	204	15	281	46	10	5	0
5209	3B	Sanak	6/26	54° 30.00'	-161° 18.16'	63	6.0	198	12	482	79	5	25	0
5210	3B	Sanak	6/26	54° 30.09'	-161° 34.95'	36	6.0	917	47	503	82	0	15	0
5211	3B	Sanak	6/29	54° 30.00'	-161° 52.20'	77	6.0	313	17	142	23	15	0	0
5212	3B	Sanak	6/29	54° 30.00'	-162° 09.09'	77	6.0	391	29	452	56	0	40	0
5213	3B	Sanak	6/29	54° 30.04'	-162° 25.55'	79	6.0	528	28	399	54	10	5	0
5214	3B	Sanak	7/2	54° 29.79'	-163° 18.00'	39	6.0	828	48	313	52	0	30	0
5215	3B	Sanak	7/2	54° 30.02'	-163° 34.98'	54	6.0	326	15	300	62	0	15	0
5216	3B	Sanak	7/3	54° 29.99'	-163° 53.35'	51	6.0	165	12	250	48	20	15	0
5217	3B	Sanak	7/3	54° 30.00'	-164° 10.26'	52	6.0	231	18	394	61	5	30	0
5218	3B	Sanak	6/18	54° 40.07'	-160° 26.00'	55	6.0	517	27	593	96	0	5	0
5219	3B	Sanak	6/18	54° 40.11'	-160° 42.98'	51	6.0	519	34	786	116	0	30	0
5220	3B	Sanak	6/25	54° 39.95'	-161° 01.00'	50	6.0	330	21	493	85	0	15	0
5221	3B	Sanak	6/25	54° 39.98'	-161° 18.07'	76	6.0	180	13	556	82	5	5	0
5222	3B	Sanak	6/23	54° 39.98'	-161° 35.05'	34	6.0	1,212	49	248	43	0	15	30
5223	3B	Sanak	6/23	54° 40.09'	-161° 52.87'	37	6.0	479	21	268	47	0	85	15
5224	3B	Sanak	7/5	54° 39.97'	-162° 44.15'	44	6.0	72	4	81	17	0	25	0
5225	3B	Sanak	6/19	54° 50.02'	-160° 43.98'	54	6.0	186	10	258	41	15	50	0
5226	3B	Sanak	6/25	54° 49.98'	-161° 01.19'	58	6.0	185	13	379	64	5	5	0
5227	3B	Sanak	6/25	54° 50.03'	-161° 17.51'	53	6.0	610	29	280	44	5	20	0

¹ Skate = 1,800' groundline, 16/0 circle hooks at 18' spacing, 24"-42" gangions.

² Weights calculated from length-weight tables.

³ Bycatch extrapolated from 20% subsample, except 2B (100%) and select stations in 2A

**2016 IPHC Stock Assessment Survey
All Regions**

Station	Reg Area	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set ¹	O32 Halibut		U32 Halibut		Bycatch (numbers) ³		
								Lbs. ²	#'s	Lbs. ²	#'s	Sablefish	P. Cod	Rockfish
5228	3B	Sanak	6/23	54° 50.00'	-161° 36.02'	43	6.0	1,353	39	211	37	0	0	0
5229	3B	Sanak	7/5	54° 49.98'	-162° 46.01'	25	6.0	298	15	116	23	0	30	0
5230	3B	Sanak	7/5	54° 49.56'	-163° 03.01'	37	6.0	735	33	310	49	0	70	0
5231	3B	Sanak	6/24	55° 00.00'	-161° 00.83'	54	6.0	743	27	245	41	0	5	10
5232	3B	Sanak	6/24	55° 00.06'	-161° 19.04'	44	6.0	556	22	179	33	0	45	5
5233	3B	Sanak	6/24	55° 09.98'	-161° 02.17'	53	6.0	738	33	207	37	0	30	0
5234	3B	Semidi	6/8	55° 20.05'	-156° 03.11'	153	6.0	2,263	141	552	61	30	0	25
5235	3B	Semidi	6/8	55° 19.99'	-156° 21.01'	94	6.0	906	60	521	62	0	45	0
5236	3B	Semidi	6/8	55° 30.03'	-155° 45.03'	120	6.0	408	27	392	45	0	50	20
5237	3B	Semidi	6/9	55° 30.05'	-156° 02.95'	111	6.0	103	6	179	27	0	30	0
5238	3B	Semidi	6/9	55° 29.78'	-155° 19.96'	118	6.0	532	33	239	32	5	65	0
5239	3B	Semidi	6/10	55° 39.97'	-155° 26.01'	100	6.0	155	12	119	18	5	104	5
5240	3B	Semidi	6/10	55° 40.03'	-155° 44.31'	70	6.0	522	36	370	51	0	165	0
5241	3B	Semidi	6/9	55° 39.73'	-156° 01.90'	125	6.0	741	53	484	62	0	59	0
5242	3B	Semidi	6/7	55° 40.05'	-156° 19.13'	140	6.0	579	36	179	22	5	30	0
5243	3B	Semidi	6/6	55° 39.76'	-156° 37.08'	130	6.0	426	27	473	61	20	15	0
5244	3B	Semidi	6/11	55° 50.01'	-155° 06.73'	66	6.0	375	24	872	128	0	0	0
5245	3B	Semidi	6/10	55° 49.96'	-155° 24.95'	26	6.0	152	8	296	62	0	20	0
5246	3B	Semidi	6/7	55° 49.84'	-156° 01.09'	56	6.0	1,103	74	722	94	0	65	0
5247	3B	Semidi	6/7	55° 50.02'	-156° 19.00'	131	6.0	313	20	527	74	10	15	0
5248	3B	Semidi	6/6	55° 49.78'	-156° 35.91'	125	6.0	527	37	748	96	5	70	0
5249	3B	Semidi	6/6	55° 50.02'	-156° 53.77'	75	6.0	326	21	532	76	0	69	0
5250	3B	Semidi	6/11	56° 00.07'	-155° 41.67'	26	6.0	188	9	214	39	0	35	0
5251	3B	Semidi	6/15	56° 00.03'	-155° 59.95'	41	6.0	287	19	497	78	0	45	0
5252	3B	Semidi	6/15	56° 00.00'	-156° 18.30'	115	6.0	601	38	198	25	5	75	5
5253	3B	Semidi	6/5	55° 59.75'	-156° 34.37'	105	6.0	1,100	63	358	45	15	40	0
5254	3B	Semidi	6/5	56° 00.01'	-157° 10.65'	62	6.0	380	25	614	96	0	40	0
5255	3B	Semidi	6/15	56° 09.64'	-155° 58.95'	114	6.0	566	31	455	63	0	74	0
5256	3B	Semidi	6/16	56° 09.99'	-156° 17.21'	125	6.0	656	42	373	47	15	64	0
5257	3B	Semidi	6/17	56° 10.03'	-156° 35.61'	97	6.0	187	12	333	51	0	54	0
5258	3B	Semidi	6/17	56° 09.96'	-156° 52.94'	43	6.0	219	11	413	70	0	5	0
5259	3B	Semidi	6/18	56° 10.02'	-157° 11.11'	54	6.0	1,111	48	348	54	0	40	0
5260	3B	Semidi	6/19	56° 10.01'	-157° 29.10'	84	6.0	560	33	191	27	0	10	0
5261	3B	Semidi	6/16	56° 19.99'	-155° 58.28'	114	6.0	386	23	144	19	10	5	0
5262	3B	Semidi	6/16	56° 19.98'	-156° 16.06'	152	6.0	91	6	172	23	25	35	0
5263	3B	Semidi	6/17	56° 19.97'	-156° 34.39'	99	6.0	663	42	472	62	5	50	0
5264	3B	Semidi	6/18	56° 19.99'	-156° 52.46'	63	6.0	410	26	485	74	0	35	0
5265	3B	Semidi	6/18	56° 19.95'	-157° 10.18'	93	6.0	1,343	79	592	70	0	10	0
5266	3B	Semidi	6/19	56° 19.97'	-157° 28.20'	36	6.0	1,004	45	534	79	0	0	10
5267	3B	Semidi	6/19	56° 20.03'	-157° 45.81'	27	6.0	656	34	241	37	0	10	0
5268	3B	Semidi	6/28	56° 29.91'	-155° 57.00'	134	6.0	97	8	39	5	25	0	0
5269	3B	Semidi	6/28	56° 29.82'	-156° 14.98'	142	6.0	109	7	195	27	25	35	0
5270	3B	Semidi	6/27	56° 30.02'	-156° 33.19'	106	5.9	398	21	192	27	5	5	0
5271	3B	Semidi	6/27	56° 30.04'	-156° 51.11'	54	6.0	222	14	430	68	0	35	0
5272	3B	Semidi	6/20	56° 29.97'	-157° 28.11'	86	6.0	243	12	75	10	0	10	0
5273	3B	Semidi	6/28	56° 40.00'	-156° 14.01'	115	6.0	315	20	203	29	0	30	0
5274	3B	Semidi	6/27	56° 39.99'	-156° 32.17'	84	6.0	812	43	385	53	5	15	5
5275	3B	Semidi	6/26	56° 40.01'	-156° 51.07'	58	6.0	455	21	457	69	5	15	0
5276	3B	Semidi	6/20	56° 40.01'	-157° 09.18'	65	6.0	408	17	229	34	0	20	0
5277	3B	Semidi	6/21	56° 49.96'	-156° 13.12'	105	6.0	605	35	571	76	5	15	0
5278	3B	Semidi	6/26	56° 50.03'	-156° 32.01'	63	6.0	403	24	526	77	0	30	0
5279	3B	Semidi	6/26	56° 49.98'	-156° 50.15'	60	6.0	601	30	270	40	0	89	0
5280	3B	Semidi	6/21	57° 00.03'	-156° 13.29'	82	6.0	741	40	397	55	0	45	0
6001	4A	Unalaska	6/25	52° 29.94'	-169° 41.28'	134	5.4	347	21	310	40	5	23	9
6002	4A	Unalaska	6/25	52° 30.01'	-169° 58.08'	130	6.1	762	40	156	18	24	6	0
6004	4A	Unalaska	6/26	52° 39.84'	-169° 09.05'	61	6.0	453	28	373	50	0	74	5
6005	4A	Unalaska	6/26	52° 40.11'	-169° 25.12'	95	6.0	678	38	139	18	0	115	0
6006	4A	Unalaska	6/26	52° 42.12'	-169° 45.14'	42	6.0	2,568	87	49	7	0	178	10
6007	4A	Unalaska	6/25	52° 40.02'	-169° 58.06'	159	6.0	765	43	165	20	10	80	5
6008	4A	Unalaska	6/17	52° 38.94'	-170° 50.55'	51	6.0	3,361	106	275	37	0	45	0
6009	4A	Unalaska	6/16	52° 42.98'	-171° 21.90'	88	6.0	116	5	87	13	0	30	0
6010	4A	Unalaska	6/27	52° 50.00'	-168° 35.95'	53	6.1	507	27	182	27	0	234	0
6011	4A	Unalaska	6/27	52° 50.18'	-168° 50.81'	35	6.0	610	27	153	24	0	54	0
6013	4A	Unalaska	6/16	52° 49.75'	-171° 20.77'	96	6.0	409	25	572	80	0	20	0
6014	4A	Unalaska	6/16	52° 48.84'	-171° 32.89'	121	6.0	44	3	75	10	0	64	0
6015	4A	Unalaska	6/30	53° 00.42'	-167° 29.00'	92	6.0	0	0	3	1	0	55	5
6016	4A	Unalaska	6/30	53° 00.18'	-167° 45.91'	54	6.0	67	5	206	29	0	115	5

¹ Skate = 1,800' groundline, 16/0 circle hooks at 18' spacing, 24"-42" gangions.

² Weights calculated from length-weight tables.

³ Bycatch extrapolated from 20% subsample, except 2B (100%) and select stations in 2A

**2016 IPHC Stock Assessment Survey
All Regions**

Station	Reg Area	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set ¹	O32 Halibut		U32 Halibut		Bycatch (numbers) ³		
								Lbs. ²	#s	Lbs. ²	#s	Sablefish	P. Cod	Rockfish
6017	4A	Unalaska	6/28	53° 00.08'	-168° 01.88'	64	6.0	84	6	197	31	0	61	0
6018	4A	Unalaska	6/28	53° 00.17'	-168° 16.07'	51	6.0	120	7	189	29	0	25	0
6019	4A	Unalaska	6/13	52° 59.98'	-169° 08.75'	112	6.0	97	6	81	10	0	144	5
6020	4A	Unalaska	6/15	53° 00.00'	-169° 58.70'	63	6.0	1,156	55	368	50	0	66	0
6021	4A	Unalaska	6/15	52° 59.95'	-170° 14.91'	102	6.0	2,264	95	117	13	0	145	0
6022	4A	Unalaska	7/2	53° 10.64'	-166° 55.88'	100	6.1	0	0	6	1	10	30	0
6023	4A	Unalaska	7/1	53° 10.10'	-167° 11.66'	60	6.0	19	1	25	4	0	190	0
6024	4A	Unalaska	7/1	53° 10.07'	-167° 29.02'	50	6.0	173	8	213	35	0	111	0
6025	4A	Unalaska	6/30	53° 09.96'	-167° 45.83'	43	6.0	270	12	153	29	0	79	0
6026	4A	Unalaska	6/28	53° 09.91'	-168° 01.92'	35	6.0	54	2	121	21	0	10	0
6027	4A	Unalaska	6/13	53° 10.01'	-168° 51.82'	105	6.0	351	20	171	21	0	145	0
6028	4A	Unalaska	6/14	53° 10.09'	-169° 41.75'	176	6.0	497	25	43	6	0	75	0
6029	4A	Unalaska	7/6	53° 21.00'	-166° 04.90'	230	6.0	0	0	0	0	0	0	5
6030	4A	Unalaska	7/6	53° 20.58'	-166° 21.88'	124	6.0	12	1	13	2	25	20	0
6031	4A	Unalaska	7/2	53° 20.13'	-166° 37.79'	70	6.0	24	2	155	24	0	165	0
6032	4A	Unalaska	7/2	53° 20.02'	-166° 55.21'	49	6.0	466	25	261	41	0	129	0
6033	4A	Unalaska	7/1	53° 19.89'	-167° 12.00'	39	6.0	387	16	232	42	0	55	10
6034	4A	Unalaska	6/13	53° 20.04'	-168° 35.86'	43	6.0	226	8	78	11	0	206	0
6035	4A	Unalaska	7/7	53° 30.82'	-165° 47.81'	91	6.0	28	2	53	9	5	80	5
6036	4A	Unalaska	7/7	53° 30.35'	-166° 04.00'	71	6.0	13	1	169	26	0	139	0
6037	4A	Unalaska	7/6	53° 30.24'	-166° 21.21'	62	6.0	87	5	184	30	0	25	0
6038	4A	Unalaska	6/12	53° 29.93'	-167° 27.93'	43	6.0	407	19	191	32	0	85	0
6039	4A	Unalaska	6/9	53° 40.47'	-164° 37.72'	173	6.0	13	1	99	13	20	0	10
6040	4A	Unalaska	7/8	53° 40.41'	-164° 55.14'	173	6.0	0	0	17	2	20	0	5
6041	4A	Unalaska	7/8	53° 40.34'	-165° 13.17'	187	6.0	0	0	10	1	35	0	0
6042	4A	Unalaska	7/8	53° 40.12'	-165° 30.25'	83	6.0	14	1	78	11	20	135	0
6043	4A	Unalaska	7/7	53° 39.91'	-165° 46.92'	68	6.0	162	12	521	83	0	25	0
6044	4A	Unalaska	7/7	53° 39.90'	-166° 04.37'	48	6.0	422	15	137	25	0	54	0
6045	4A	Unalaska	6/12	53° 40.03'	-167° 10.89'	33	6.0	828	30	194	30	0	69	0
6046	4A	Unalaska	6/12	53° 39.94'	-167° 27.49'	162	6.0	554	29	200	26	59	182	5
6047	4A	Unalaska	6/8	53° 49.92'	-163° 48.52'	49	6.0	341	22	375	54	0	96	5
6048	4A	Unalaska	6/8	53° 50.05'	-164° 04.96'	42	6.0	787	44	270	36	0	59	5
6049	4A	Unalaska	6/9	53° 49.94'	-164° 21.94'	48	6.0	147	11	157	24	0	159	0
6050	4A	Unalaska	6/9	53° 49.83'	-164° 39.16'	54	6.0	27	2	169	27	0	55	0
6051	4A	Unalaska	6/5	53° 49.89'	-164° 55.88'	61	6.0	12	1	135	25	0	25	0
6052	4A	Unalaska	6/5	53° 49.94'	-165° 11.56'	57	6.0	0	0	134	25	10	35	0
6053	4A	Unalaska	6/4	53° 49.97'	-165° 28.65'	48	5.9	114	6	197	40	0	69	0
6054	4A	Unalaska	6/3	53° 49.95'	-165° 46.00'	41	5.9	23	1	76	19	0	25	0
6055	4A	Unalaska	6/3	53° 49.94'	-166° 02.40'	42	5.9	255	13	166	31	0	24	0
6056	4A	Unalaska	6/3	53° 49.99'	-166° 19.69'	140	6.1	434	18	44	5	0	148	0
6057	4A	Unalaska	6/8	53° 59.94'	-164° 05.82'	40	6.0	251	14	73	12	0	104	0
6058	4A	Unalaska	6/7	54° 00.08'	-164° 22.54'	56	6.0	0	0	154	30	0	205	0
6059	4A	Unalaska	6/6	53° 59.98'	-164° 39.99'	53	6.0	147	10	299	56	0	39	0
6060	4A	Unalaska	6/6	54° 00.02'	-164° 56.88'	43	6.0	22	1	82	20	0	60	0
6061	4A	Unalaska	6/5	54° 00.03'	-165° 11.88'	40	6.0	657	22	33	5	0	111	0
6062	4A	Unalaska	6/4	54° 00.02'	-165° 29.36'	39	6.0	15	1	50	13	0	69	0
6063	4A	Unalaska	6/4	53° 58.67'	-165° 45.92'	48	6.0	1,389	53	211	38	0	5	0
6064	4A	Unalaska	6/7	54° 10.06'	-164° 06.69'	37	6.0	91	5	204	33	0	131	0
6065	4A	Unalaska	6/7	54° 10.02'	-164° 24.91'	48	6.1	85	5	153	36	0	81	0
6066	4A	Unalaska	6/6	54° 08.02'	-164° 42.08'	41	6.0	151	4	35	10	0	74	0
7001	4A	4A Edge	7/9	54° 30.26'	-165° 44.02'	205	6.0	24	2	86	14	0	0	0
7002	4A	4A Edge	7/11	54° 30.11'	-166° 19.27'	269	6.0	170	9	10	1	5	0	25
7003	4A	4A Edge	7/11	54° 29.96'	-166° 35.89'	264	6.1	210	12	0	0	0	0	5
7004	4A	4A Edge	7/12	54° 30.14'	-166° 52.83'	259	5.3	110	5	0	0	9	0	9
7006	4A	4A Edge	7/10	54° 39.98'	-165° 26.30'	113	6.0	15	1	18	3	0	155	0
7007	4A	4A Edge	7/9	54° 39.95'	-165° 43.05'	182	6.0	68	5	139	18	0	0	0
7008	4A	4A Edge	7/9	54° 40.08'	-166° 00.83'	178	6.0	25	1	41	6	0	0	0
7009	4A	4A Edge	7/11	54° 40.05'	-166° 17.29'	172	5.9	79	4	0	0	0	10	0
7010	4A	4A Edge	7/12	54° 40.01'	-166° 35.49'	184	6.0	109	5	47	5	0	0	5
7011	4A	4A Edge	7/12	54° 39.92'	-166° 52.83'	207	6.0	464	23	76	8	0	0	10
7012	4A	4A Edge	7/15	54° 40.02'	-167° 09.91'	247	6.0	83	4	0	0	0	0	15
7013	4A	4A Edge	7/10	54° 50.00'	-165° 25.14'	82	6.0	0	0	29	6	0	80	0
7014	4A	4A Edge	7/10	54° 49.97'	-165° 42.95'	84	6.0	0	0	91	15	0	157	0
7015	4A	4A Edge	7/16	54° 49.83'	-166° 01.27'	85	6.0	89	6	50	7	0	130	0
7016	4A	4A Edge	7/16	54° 50.02'	-166° 17.89'	89	6.0	56	3	46	6	0	25	0
7017	4A	4A Edge	7/16	54° 50.05'	-166° 35.11'	107	6.0	159	8	0	0	0	0	0
7018	4A	4A Edge	7/15	54° 49.89'	-166° 52.29'	144	6.0	15	1	0	0	0	0	0

¹ Skate = 1,800' groundline, 16/0 circle hooks at 18' spacing, 24"-42" gangions.

² Weights calculated from length-weight tables.

³ Bycatch extrapolated from 20% subsample, except 2B (100%) and select stations in 2A

2016 IPHC Stock Assessment Survey All Regions

Station	Reg Area	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set ¹	O32 Halibut		U32 Halibut		Bycatch (numbers) ³		
								Lbs. ²	#s	Lbs. ²	#s	Sablefish	P. Cod	Rockfish
7019	4A	4A Edge	7/15	54° 49.99'	-167° 09.88'	192	6.0	1,850	112	238	26	0	0	5
7021	4A	4A Edge	7/17	55° 00.03'	-166° 33.65'	79	6.0	116	5	20	2	0	40	0
7022	4A	4A Edge	7/17	54° 59.98'	-166° 51.64'	83	6.0	96	5	0	0	0	60	0
7023	4A	4A Edge	7/18	55° 00.18'	-167° 09.19'	94	6.0	339	17	27	3	0	130	0
7024	4A	4A Edge	7/18	55° 00.05'	-167° 26.88'	159	6.0	1,210	67	140	15	15	20	0
7025	4A	4A Edge	7/17	55° 10.18'	-166° 34.50'	76	6.0	0	0	17	2	0	85	0
7026	4A	4A Edge	7/17	55° 10.02'	-166° 50.95'	78	6.0	392	18	28	3	0	150	0
7027	4A	4A Edge	7/18	55° 10.11'	-167° 08.57'	81	6.0	179	9	24	3	0	111	0
7028	4A	4A Edge	7/18	55° 09.95'	-167° 26.05'	87	6.0	314	18	130	15	0	100	0
7029	4A	4A Edge	7/19	55° 10.02'	-167° 43.74'	164	6.0	1,223	70	108	12	0	35	0
7030	4A	4A Edge	7/19	55° 20.13'	-167° 44.30'	89	6.0	128	6	4	1	0	230	0
7031	4A	4A Edge	7/19	55° 19.98'	-168° 00.49'	192	6.0	314	19	29	3	0	30	20
7032	4A	4A Edge	7/20	55° 30.05'	-168° 00.54'	78	6.0	35	3	37	6	0	155	0
7033	4A	4A Edge	7/20	55° 30.17'	-168° 18.68'	130	6.0	152	9	18	2	0	145	0
7034	4A	4A Edge	7/21	55° 40.16'	-168° 37.37'	78	6.0	0	0	49	9	0	220	0
7035	4A	4A Edge	7/21	55° 49.98'	-168° 36.91'	78	6.0	42	2	53	8	0	104	0
7036	4A	4A Edge	7/21	55° 49.95'	-168° 51.67'	146	5.9	194	13	91	10	0	74	10
7037	4A	4A Edge	8/1	55° 59.95'	-168° 21.13'	91	6.0	134	9	70	9	0	40	0
7038	4A	4A Edge	8/1	56° 00.15'	-168° 33.97'	132	6.0	362	17	8	1	0	85	0
7039	4A	4A Edge	7/26	56° 00.22'	-169° 47.91'	124	6.0	16	1	8	1	0	69	0
7040	4A	4A Edge	7/25	56° 00.27'	-170° 06.15'	88	6.0	139	11	96	11	0	155	0
7042	4A	4A Edge	7/31	56° 09.99'	-168° 19.11'	90	6.0	33	1	90	13	0	25	0
7043	4A	4A Edge	8/1	56° 08.89'	-168° 37.34'	215	6.0	27	1	0	0	0	0	40
7044	4A	4A Edge	8/1	56° 10.82'	-168° 51.98'	122	6.0	166	9	18	2	0	30	0
7045	4A	4A Edge	7/26	56° 10.21'	-169° 31.65'	261	6.0	201	7	0	0	5	0	30
7046	4A	4A Edge	7/25	56° 10.11'	-170° 41.77'	74	6.0	0	0	14	2	0	210	0
7049	4A	4A Edge	7/30	56° 20.03'	-169° 13.36'	73	6.0	15	1	56	13	0	70	0
6067	4B	Adak	6/28	51° 12.04'	-179° 03.24'	68	6.0	119	5	8	1	0	0	5
6069	4B	Adak	6/27	51° 31.51'	-176° 52.97'	140	6.1	271	18	144	17	15	91	51
6070	4B	Adak	6/29	51° 29.98'	-178° 30.27'	104	6.0	728	42	188	22	0	15	0
6071	4B	Adak	6/29	51° 29.76'	-178° 44.69'	171	6.0	647	34	18	2	35	5	45
6072	4B	Adak	6/26	51° 40.78'	-175° 50.23'	218	6.1	505	26	35	4	5	15	40
6073	4B	Adak	6/26	51° 40.05'	-176° 04.15'	153	6.0	439	32	247	29	0	25	0
6074	4B	Adak	6/26	51° 40.18'	-176° 20.40'	80	6.0	345	16	271	37	0	160	0
6075	4B	Adak	7/1	51° 39.86'	-177° 10.77'	63	6.0	1,195	61	314	41	0	140	0
6076	4B	Adak	7/1	51° 40.11'	-177° 25.24'	62	6.0	267	16	142	17	0	104	0
6077	4B	Adak	6/30	51° 39.83'	-178° 14.02'	46	6.0	216	14	317	45	0	25	0
6078	4B	Adak	6/30	51° 39.89'	-178° 29.40'	236	5.7	399	22	29	3	57	0	5
6079	4B	Adak	6/19	51° 50.09'	-174° 27.09'	116	6.0	931	58	470	56	0	30	0
6080	4B	Adak	6/24	51° 50.11'	-174° 43.27'	114	6.0	243	15	214	28	0	35	0
6081	4B	Adak	6/24	51° 50.25'	-174° 59.06'	110	6.0	987	65	615	81	0	5	0
6082	4B	Adak	6/25	51° 50.31'	-175° 15.97'	105	6.0	297	21	215	28	5	5	0
6083	4B	Adak	6/25	51° 50.03'	-175° 32.80'	91	6.1	507	33	510	67	0	35	0
6084	4B	Adak	6/25	51° 50.06'	-175° 48.02'	66	6.1	271	12	739	105	0	96	0
6085	4B	Adak	6/18	51° 59.24'	-173° 21.95'	44	6.0	708	29	210	29	0	225	0
6086	4B	Adak	6/18	51° 59.98'	-173° 38.36'	40	6.0	1,220	51	228	29	0	50	0
6087	4B	Adak	6/18	51° 59.92'	-173° 53.55'	42	6.0	705	32	299	41	0	20	0
6088	4B	Adak	6/19	51° 59.91'	-174° 11.06'	53	6.0	114	8	739	115	0	10	0
6089	4B	Adak	6/19	51° 59.59'	-174° 26.68'	40	6.0	407	21	230	33	0	60	0
6090	4B	Adak	6/24	51° 58.45'	-175° 00.40'	46	6.0	1,180	47	296	38	0	35	0
6091	4B	Adak	6/20	51° 59.91'	-176° 19.90'	101	6.0	1,213	86	474	57	0	35	0
6092	4B	Adak	7/9	52° 00.97'	179° 27.05'	50	6.0	622	20	6	1	0	0	0
6093	4B	Adak	6/16	52° 09.97'	-172° 49.09'	76	6.0	349	17	116	14	0	65	0
6094	4B	Adak	6/16	52° 10.14'	-173° 04.96'	47	6.0	192	13	140	18	0	185	0
6095	4B	Adak	6/16	52° 10.04'	-173° 20.73'	51	6.0	432	24	505	70	0	60	0
6096	4B	Adak	6/15	52° 10.18'	-173° 54.18'	51	6.0	733	41	596	73	0	163	0
6097	4B	Adak	6/14	52° 10.51'	-174° 42.93'	68	6.0	454	23	263	31	0	100	0
6098	4B	Adak	6/14	52° 09.95'	-174° 59.11'	66	6.1	794	43	510	66	0	10	0
6099	4B	Adak	6/14	52° 10.10'	-175° 14.99'	135	6.0	434	27	109	13	0	80	0
6100	4B	Adak	6/20	52° 09.83'	-175° 47.84'	126	6.0	388	16	65	8	0	15	5
6101	4B	Adak	7/9	52° 10.04'	179° 30.50'	120	6.0	1,664	40	0	0	0	0	0
6102	4B	Adak	7/8	52° 10.64'	-179° 41.92'	153	6.0	419	13	0	0	0	0	5
6103	4B	Adak	7/9	52° 09.89'	179° 43.28'	52	6.0	246	10	9	1	0	0	0
6104	4B	Adak	7/8	52° 10.26'	-179° 58.09'	54	6.0	13	1	0	0	0	5	0
6105	4B	Adak	6/15	52° 20.12'	-173° 52.44'	60	6.0	173	11	331	53	0	0	0
6106	4B	Adak	7/8	52° 19.98'	-179° 41.48'	153	6.0	53	2	0	0	0	0	0
6107	4B	Adak	7/7	52° 20.09'	179° 44.64'	74	6.0	201	10	0	0	0	0	0

¹ Skate = 1,800' groundline, 16/0 circle hooks at 18' spacing, 24"-42" gangions.

² Weights calculated from length-weight tables.

³ Bycatch extrapolated from 20% subsample, except 2B (100%) and select stations in 2A

**2016 IPHC Stock Assessment Survey
All Regions**

Station	Reg Area	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set ¹	O32 Halibut		U32 Halibut		Bycatch (numbers) ³		
								Lbs. ²	#'s	Lbs. ²	#'s	Sablefish	P. Cod	Rockfish
6108	4B	Adak	7/7	52° 19.71'	-179° 57.72'	68	6.1	96	4	0	0	0	0	0
6109	4B	Adak	6/15	52° 28.27'	-173° 36.79'	137	6.1	1,173	46	9	1	0	25	0
6110	4B	Adak	7/6	52° 30.23'	-179° 41.48'	51	5.9	167	4	0	0	0	0	5
6111	4B	Adak	7/7	52° 29.09'	179° 46.54'	204	6.0	0	0	0	0	0	0	15
6112	4B	Adak	7/6	52° 39.86'	-179° 25.25'	65	6.0	175	7	0	0	0	0	5
6113	4B	Attu	7/16	51° 20.09'	179° 06.59'	50	6.0	34	2	0	0	0	35	0
6114	4B	Attu	7/16	51° 30.09'	178° 36.16'	114	6.0	0	0	0	0	0	10	30
6115	4B	Attu	7/16	51° 28.81'	178° 52.53'	49	5.9	41	2	11	2	0	15	0
6116	4B	Attu	7/12	51° 40.11'	175° 38.98'	85	6.0	0	0	0	0	0	0	10
6117	4B	Attu	7/17	51° 40.00'	178° 03.77'	176	6.0	0	0	0	0	0	0	15
6118	4B	Attu	7/17	51° 40.17'	178° 20.89'	73	6.0	37	1	5	1	0	5	0
6119	4B	Attu	7/12	51° 50.01'	175° 39.41'	56	5.9	36	1	0	0	0	0	0
6120	4B	Attu	7/12	51° 50.21'	175° 55.54'	60	6.1	0	0	0	0	0	0	0
6121	4B	Attu	7/14	51° 50.30'	177° 33.13'	55	6.0	327	9	0	0	0	80	15
6122	4B	Attu	7/14	51° 50.25'	177° 49.04'	59	6.0	434	15	28	3	0	70	5
6123	4B	Attu	7/15	51° 49.93'	178° 21.08'	135	6.0	177	5	9	1	0	20	10
6124	4B	Attu	7/12	51° 59.81'	175° 56.07'	56	6.0	22	1	0	0	0	0	25
6125	4B	Attu	7/13	51° 59.99'	176° 45.07'	50	6.0	181	6	8	1	0	320	0
6126	4B	Attu	7/13	51° 59.89'	177° 14.41'	52	6.0	312	9	0	0	0	170	0
6127	4B	Attu	7/14	51° 59.83'	177° 50.03'	63	6.0	213	8	5	1	0	45	0
6128	4B	Attu	7/15	52° 00.06'	178° 23.25'	74	6.0	195	6	0	0	0	10	54
6129	4B	Attu	8/1	52° 11.29'	173° 45.61'	65	6.0	331	16	65	8	0	30	0
6130	4B	Attu	7/11	52° 10.55'	175° 07.19'	82	6.0	0	0	0	0	0	0	0
6131	4B	Attu	7/11	52° 10.37'	175° 21.52'	182	6.0	0	0	0	0	0	0	25
6132	4B	Attu	8/1	52° 19.95'	173° 28.91'	40	6.1	147	11	101	14	0	126	0
6133	4B	Attu	8/4	52° 17.68'	173° 44.85'	39	6.0	348	14	51	6	0	70	0
6134	4B	Attu	8/4	52° 20.02'	174° 02.05'	75	6.1	73	3	19	3	0	61	0
6135	4B	Attu	8/4	52° 20.23'	174° 18.22'	91	6.0	163	7	7	1	0	75	5
6137	4B	Attu	7/31	52° 30.38'	172° 56.46'	124	6.0	143	6	10	1	0	0	40
6138	4B	Attu	7/31	52° 30.36'	173° 12.00'	60	6.1	238	10	41	6	0	5	0
6139	4B	Attu	8/2	52° 30.52'	173° 29.36'	82	6.0	404	17	6	1	0	10	0
6140	4B	Attu	8/3	52° 30.07'	174° 02.36'	67	6.1	304	14	45	6	0	30	0
6141	4B	Attu	8/5	52° 30.20'	174° 18.30'	63	5.9	297	13	70	8	0	49	0
6142	4B	Attu	8/5	52° 30.26'	174° 33.09'	197	6.1	141	5	0	0	0	0	15
6143	4B	Attu	8/5	52° 30.62'	174° 51.32'	130	6.0	232	9	19	2	0	0	0
6144	4B	Attu	7/30	52° 40.31'	172° 54.99'	63	6.0	160	9	0	0	0	5	0
6145	4B	Attu	7/31	52° 40.20'	173° 12.13'	50	6.0	280	9	18	2	0	10	0
6146	4B	Attu	8/2	52° 39.77'	173° 28.05'	54	6.0	521	18	65	7	0	10	0
6147	4B	Attu	8/2	52° 39.91'	173° 45.25'	55	6.0	388	17	45	5	0	40	0
6148	4B	Attu	8/3	52° 40.08'	174° 00.97'	39	6.1	66	2	26	5	0	0	0
6149	4B	Attu	8/5	52° 40.25'	174° 17.97'	27	5.9	306	13	68	10	0	118	0
6150	4B	Attu	7/29	52° 50.72'	172° 04.70'	120	6.0	178	10	9	1	0	0	0
6151	4B	Attu	7/30	52° 50.04'	172° 22.47'	163	6.0	0	0	11	1	5	0	10
6152	4B	Attu	7/30	52° 50.22'	172° 38.21'	52	6.0	138	6	8	1	0	5	0
6153	4B	Attu	8/3	52° 50.03'	173° 45.04'	66	6.0	88	4	9	1	0	55	0
6154	4B	Attu	7/28	52° 59.55'	170° 57.93'	216	6.0	0	0	0	0	10	0	20
6155	4B	Attu	7/29	53° 00.02'	172° 21.11'	106	6.0	22	2	0	0	0	0	10
6157	4B	Attu	7/28	53° 19.92'	170° 39.05'	200	6.1	0	0	0	0	0	0	0
7041	4C	4A Edge	7/31	56° 10.09'	-168° 01.79'	78	6.0	47	2	38	5	0	89	0
7047	4C	4A Edge	7/31	56° 19.94'	-168° 02.07'	77	6.0	0	0	42	6	0	90	0
7048	4C	4A Edge	7/31	56° 20.07'	-168° 19.52'	85	6.0	54	2	9	1	0	25	0
9501	4C	4A Edge	7/30	56° 20.08'	-169° 27.80'	79	6.0	28	2	27	4	0	90	0
9502	4C	4A Edge	7/30	56° 25.09'	-169° 19.99'	60	6.0	559	32	121	14	0	55	0
9503	4C	4A Edge	7/27	56° 25.10'	-169° 37.78'	52	6.0	432	22	78	9	0	125	0
9504	4C	4A Edge	7/29	56° 30.09'	-169° 14.04'	50	6.0	49	3	60	9	0	20	0
9505	4C	4A Edge	7/27	56° 30.07'	-169° 30.99'	41	6.0	1,466	51	34	4	0	120	0
9506	4C	4A Edge	7/27	56° 30.09'	-169° 49.07'	46	6.0	246	15	258	35	0	55	0
9507	4C	4A Edge	7/29	56° 34.98'	-169° 22.06'	27	6.0	256	14	102	12	0	30	0
9508	4C	4A Edge	7/29	56° 40.00'	-169° 11.92'	37	6.0	247	11	81	14	0	55	0
9509	4C	4A Edge	7/28	56° 39.96'	-169° 30.15'	41	6.0	83	5	32	4	0	45	0
9510	4C	4A Edge	7/28	56° 40.02'	-169° 48.03'	40	6.0	242	16	68	9	0	95	0
9511	4C	4D Edge South	7/23	57° 00.02'	-170° 09.53'	37	6.0	66	4	24	5	0	20	0
9512	4C	4D Edge South	7/23	57° 00.05'	-170° 29.10'	43	6.0	158	10	160	21	0	20	0
9513	4C	4D Edge South	7/23	57° 04.96'	-170° 03.80'	31	6.0	299	14	110	19	0	15	0
9514	4C	4D Edge South	7/11	57° 05.00'	-170° 38.00'	41	6.0	263	16	153	20	0	130	0
9515	4C	4D Edge South	7/21	57° 10.12'	-170° 29.80'	31	6.0	629	29	148	19	0	60	0
9516	4C	4D Edge South	7/22	57° 15.03'	-170° 19.04'	13	6.0	804	31	71	8	0	50	0

¹ Skate = 1,800' groundline, 16/0 circle hooks at 18' spacing, 24"-42" gangions.

² Weights calculated from length-weight tables.

³ Bycatch extrapolated from 20% subsample, except 2B (100%) and select stations in 2A

2016 IPHC Stock Assessment Survey All Regions

Station	Reg Area	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set ¹	O32 Halibut		U32 Halibut		Bycatch (numbers) ³		
								Lbs. ²	#'s	Lbs. ²	#'s	Sablefish	P. Cod	Rockfish
9517	4C	4D Edge South	7/21	57° 15.09'	-170° 39.73'	39	6.0	477	27	237	30	0	49	0
9518	4C	4D Edge South	7/22	57° 20.01'	-169° 56.00'	32	6.0	99	6	127	21	0	151	0
9519	4C	4D Edge South	7/22	57° 19.93'	-170° 13.48'	31	6.0	633	30	150	22	0	10	0
9520	4C	4D Edge South	7/21	57° 19.84'	-170° 30.68'	36	6.0	237	12	77	9	0	15	0
7050	4D	4D Edge South	7/2	56° 20.02'	-171° 18.98'	80	6.0	20	1	0	0	0	81	0
7051	4D	4D Edge South	7/2	56° 29.84'	-171° 37.02'	87	6.0	0	0	32	5	0	55	0
7052	4D	4D Edge South	7/2	56° 30.02'	-171° 55.00'	171	6.0	70	3	7	1	0	80	0
7053	4D	4D Edge South	7/4	56° 40.04'	-173° 06.58'	82	6.0	0	0	0	0	0	225	0
7054	4D	4D Edge South	7/5	56° 50.10'	-173° 24.94'	227	6.0	0	0	0	0	0	0	20
7056	4D	4D Edge South	7/6	57° 00.60'	-173° 43.05'	247	6.0	0	0	0	0	0	0	5
7057	4D	4D Edge South	7/6	57° 09.43'	-173° 42.98'	82	6.0	34	2	0	0	0	80	0
7058	4D	4D Edge South	7/7	57° 20.04'	-173° 42.52'	75	6.0	63	3	34	6	0	50	0
7059	4D	4D Edge South	7/8	57° 40.01'	-173° 42.29'	74	6.0	31	2	26	4	0	25	0
7060	4D	4D Edge South	7/8	57° 50.03'	-173° 42.60'	82	6.0	0	0	0	0	0	125	0
7061	4D	4D Edge South	7/15	58° 20.05'	-174° 20.00'	109	6.0	86	7	94	11	0	70	0
7062	4D	4D Edge South	7/16	58° 20.72'	-175° 17.07'	175	6.0	591	43	347	37	0	0	0
7063	4D	4D Edge South	7/15	58° 29.70'	-174° 20.00'	78	6.0	14	1	18	2	0	85	0
7064	4D	4D Edge South	7/16	58° 29.73'	-175° 18.10'	97	6.0	351	18	106	14	0	126	0
7065	4D	4D Edge South	7/16	58° 30.06'	-175° 36.91'	96	6.0	49	3	59	8	0	80	0
7067	4D	4D Edge South	7/18	58° 40.00'	-174° 21.05'	92	6.0	154	8	92	11	0	15	0
7068	4D	4D Edge South	7/18	58° 40.00'	-174° 39.34'	111	6.0	75	4	34	4	0	0	0
7069	4D	4D Edge South	7/17	58° 40.00'	-174° 59.65'	119	6.0	61	4	55	7	0	45	0
7070	4D	4D Edge South	7/17	58° 40.00'	-175° 18.05'	125	6.0	63	5	117	16	0	25	5
7071	4D	4D Edge Central	7/15	58° 39.97'	-175° 55.99'	75	6.0	0	0	9	1	0	15	0
7072	4D	4D Edge Central	7/15	58° 40.00'	-176° 16.00'	75	6.0	0	0	18	3	0	30	0
7073	4D	4D Edge Central	7/7	58° 39.99'	-177° 13.03'	76	6.0	195	9	115	14	0	105	0
7074	4D	4D Edge Central	7/1	58° 50.07'	-177° 33.01'	75	6.0	101	2	20	3	0	5	0
7075	4D	4D Edge Central	7/1	58° 50.15'	-177° 53.03'	218	6.0	274	16	9	1	0	0	10
7076	4D	4D Edge Central	7/8	58° 59.94'	-177° 54.00'	75	6.0	246	12	79	12	0	5	0
7077	4D	4D Edge Central	6/30	59° 00.16'	-178° 13.02'	115	6.1	620	24	139	18	0	56	0
7078	4D	4D Edge Central	7/9	59° 09.96'	-176° 55.99'	79	6.0	37	3	15	2	0	10	0
7079	4D	4D Edge Central	7/9	59° 09.90'	-177° 15.99'	81	6.0	12	1	69	10	0	30	0
7080	4D	4D Edge Central	7/8	59° 09.98'	-177° 35.00'	90	6.0	103	5	84	11	0	0	0
7081	4D	4D Edge Central	6/30	59° 09.98'	-177° 55.03'	100	6.0	142	6	68	10	0	20	0
7082	4D	4D Edge Central	6/30	59° 10.04'	-178° 14.02'	76	6.0	30	2	95	13	0	5	0
7083	4D	4D Edge Central	7/10	59° 19.99'	-176° 56.98'	79	6.0	60	2	0	0	0	40	0
7084	4D	4D Edge Central	7/10	59° 20.01'	-177° 16.98'	86	6.0	0	0	51	8	0	70	0
7085	4D	4D Edge Central	6/29	59° 19.98'	-177° 35.98'	144	6.0	225	10	92	12	0	40	0
7086	4D	4D Edge Central	7/23	59° 29.85'	-176° 38.02'	77	6.0	32	2	9	1	0	60	0
7087	4D	4D Edge Central	7/23	59° 29.96'	-176° 58.00'	82	6.0	73	3	73	9	0	46	0
7088	4D	4D Edge Central	7/10	59° 30.03'	-177° 17.98'	83	6.0	68	3	21	3	0	30	0
7089	4D	4D Edge Central	6/29	59° 30.14'	-177° 37.00'	127	6.0	91	5	135	18	0	96	0
7090	4D	4D Edge Central	6/24	59° 30.07'	-177° 57.00'	220	6.0	629	29	90	10	0	0	15
7091	4D	4D Edge Central	6/24	59° 30.05'	-178° 17.01'	143	6.0	694	41	350	40	0	20	0
7092	4D	4D Edge Central	7/24	59° 39.98'	-176° 59.02'	84	6.0	31	2	6	1	0	100	0
7093	4D	4D Edge Central	7/11	59° 39.98'	-177° 19.00'	112	6.0	22	2	36	5	0	70	0
7094	4D	4D Edge Central	6/28	59° 40.01'	-177° 39.03'	127	6.0	94	4	49	7	0	35	0
7095	4D	4D Edge Central	6/28	59° 40.06'	-177° 58.01'	91	6.0	45	3	25	3	0	20	0
7096	4D	4D Edge Central	6/25	59° 39.98'	-178° 18.02'	91	6.0	98	6	76	9	0	40	0
7097	4D	4D Edge Central	6/28	59° 49.86'	-177° 59.02'	79	6.0	0	0	10	1	0	40	0
7098	4D	4D Edge Central	6/25	59° 49.97'	-178° 19.00'	79	6.0	24	1	16	2	0	35	0
7099	4D	4D Edge Central	6/25	59° 50.14'	-178° 39.00'	82	6.0	30	2	39	6	0	80	0
7300	4D	4D Edge South	7/3	56° 40.00'	-171° 37.00'	66	6.0	97	4	30	4	0	55	0
7301	4D	4D Edge South	7/4	56° 39.96'	-172° 31.04'	77	6.0	81	4	0	0	0	130	0
7302	4D	4D Edge South	7/3	56° 49.78'	-171° 37.00'	64	6.0	46	3	42	6	0	65	0
7303	4D	4D Edge South	7/4	56° 49.98'	-172° 48.80'	73	6.0	154	9	94	12	0	70	0
7304	4D	4D Edge South	7/3	56° 59.92'	-171° 54.94'	63	6.0	206	11	69	9	0	94	0
7305	4D	4D Edge South	7/5	56° 59.95'	-173° 07.05'	73	6.0	100	6	72	9	0	90	0
7306	4D	4D Edge South	7/6	57° 10.02'	-173° 24.60'	72	6.0	69	5	92	12	0	70	0
7307	4D	4D Edge South	7/9	57° 19.99'	-172° 30.94'	61	6.0	71	3	52	7	0	65	0
7308	4D	4D Edge South	7/9	57° 20.08'	-172° 48.69'	64	6.0	109	6	33	5	0	50	0
7309	4D	4D Edge South	7/7	57° 19.99'	-173° 24.00'	67	6.0	0	0	0	0	0	40	0
7310	4D	4D Edge South	7/9	57° 30.03'	-173° 06.10'	69	6.0	264	16	66	9	0	55	0
7311	4D	4D Edge South	7/7	57° 30.02'	-173° 24.52'	69	6.0	160	10	99	12	0	35	0
7312	4D	4D Edge South	7/8	57° 39.95'	-173° 23.88'	80	6.0	11	1	12	2	0	70	0
7313	4D	4D Edge South	7/14	57° 40.00'	-174° 01.80'	72	6.0	265	8	67	8	0	25	0
7314	4D	4D Edge South	7/10	57° 50.03'	-172° 28.43'	60	6.0	158	9	45	6	0	70	0

¹ Skate = 1,800' groundline, 16/0 circle hooks at 18' spacing, 24"-42" gangions.

² Weights calculated from length-weight tables.

³ Bycatch extrapolated from 20% subsample, except 2B (100%) and select stations in 2A

2016 IPHC Stock Assessment Survey All Regions

Station	Reg Area	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set ¹	O32 Halibut		U32 Halibut		Bycatch (numbers) ³		
								Lbs. ²	#s	Lbs. ²	#s	Sablefish	P. Cod	Rockfish
7315	4D	4D Edge South	7/10	57° 59.97'	-172° 46.23'	59	6.0	37	2	93	11	0	100	0
7316	4D	4D Edge South	7/14	58° 00.00'	-174° 01.48'	384	6.0	0	0	0	0	5	0	15
7317	4D	4D Edge South	7/19	58° 40.00'	-174° 01.20'	75	6.0	15	1	10	1	0	64	0
7318	4D	4D Edge South	7/17	58° 40.00'	-175° 36.28'	75	6.0	63	4	37	5	0	50	0
7319	4D	4D Edge South	7/18	58° 50.00'	-174° 39.41'	75	6.0	115	5	41	6	0	45	0
7320	4D	4D Edge Central	7/20	58° 49.95'	-175° 56.00'	70	6.0	0	0	33	4	0	54	0
7321	4D	4D Edge Central	7/7	58° 50.11'	-176° 35.03'	68	6.0	0	0	15	2	0	50	0
7322	4D	4D Edge Central	7/20	58° 59.93'	-175° 56.01'	72	6.0	0	0	0	0	0	80	0
7323	4D	4D Edge Central	7/20	58° 59.97'	-176° 15.98'	73	6.0	0	0	0	0	0	85	0
7324	4D	4D Edge Central	7/9	58° 59.89'	-177° 13.99'	74	6.0	34	2	21	4	0	10	0
7325	4D	4D Edge Central	7/8	59° 00.05'	-177° 33.00'	73	6.0	79	4	36	4	0	10	0
7326	4D	4D Edge Central	7/21	59° 09.94'	-175° 36.98'	75	6.0	51	2	25	3	0	79	0
7327	4D	4D Edge Central	7/21	59° 10.02'	-175° 59.02'	75	6.0	0	0	22	3	0	108	0
7328	4D	4D Edge Central	7/22	59° 09.96'	-176° 17.02'	75	6.0	0	0	0	0	0	110	0
7329	4D	4D Edge Central	7/22	59° 10.02'	-176° 37.00'	76	6.0	11	1	13	2	0	105	0
7330	4D	4D Edge Central	7/21	59° 19.95'	-175° 39.00'	75	6.0	33	2	0	0	0	80	0
7331	4D	4D Edge Central	7/22	59° 20.04'	-176° 37.01'	76	6.0	11	1	0	0	0	65	0
7332	4D	4D Edge Central	7/26	59° 40.00'	-175° 39.02'	73	6.0	188	5	43	5	0	25	0
7333	4D	4D Edge Central	7/26	59° 40.07'	-175° 58.00'	75	6.0	42	1	0	0	0	35	0
7334	4D	4D Edge Central	7/25	59° 39.99'	-176° 18.04'	76	6.0	0	0	0	0	0	70	0
7335	4D	4D Edge Central	7/24	59° 39.98'	-176° 38.03'	75	6.0	13	1	0	0	0	40	0
7336	4D	4D Edge Central	7/26	59° 49.98'	-175° 57.99'	74	6.0	0	0	0	0	0	30	0
7337	4D	4D Edge Central	7/25	59° 50.05'	-176° 18.00'	76	6.0	27	1	5	1	0	15	0
7338	4D	4D Edge Central	7/24	59° 50.05'	-176° 39.00'	75	6.0	0	0	0	0	0	20	0
7339	4D	4D Edge Central	7/11	59° 50.05'	-177° 19.00'	75	6.0	13	1	0	0	0	79	0
7340	4D	4D Edge Central	7/11	59° 50.03'	-177° 38.98'	76	6.0	0	0	7	1	0	60	0
7341	4D	4D Edge North	7/25	60° 00.03'	-176° 19.01'	75	6.0	0	0	0	0	0	80	0
7342	4D	4D Edge North	7/12	59° 59.96'	-176° 39.00'	77	6.0	135	2	25	3	0	130	0
7343	4D	4D Edge North	7/12	60° 00.01'	-176° 59.03'	76	6.0	0	0	5	1	0	90	0
7344	4D	4D Edge North	6/18	60° 00.00'	-177° 39.05'	76	6.0	26	1	0	0	0	95	0
7345	4D	4D Edge North	6/27	59° 59.95'	-177° 59.02'	78	6.0	663	17	6	1	0	94	0
7346	4D	4D Edge North	6/27	60° 00.12'	-178° 19.01'	77	6.0	415	22	64	9	0	50	0
7347	4D	4D Edge North	6/26	60° 00.03'	-178° 38.97'	76	6.0	259	13	131	19	0	55	0
7348	4D	4D Edge North	7/12	60° 09.99'	-176° 59.01'	79	6.0	0	0	0	0	0	90	0
7349	4D	4D Edge North	6/18	60° 10.05'	-177° 39.00'	77	6.0	88	2	0	0	0	109	0
7350	4D	4D Edge North	6/27	60° 09.98'	-177° 59.04'	80	6.0	76	4	42	6	0	80	0
7351	4D	4D Edge North	6/17	60° 10.04'	-178° 19.00'	82	6.0	0	0	9	2	0	175	0
7352	4D	4D Edge North	6/16	60° 10.03'	-178° 38.97'	127	6.0	76	2	29	4	0	68	0
7353	4D	4D Edge North	6/26	60° 09.96'	-178° 58.99'	265	6.0	92	4	4	1	0	0	0
7354	4D	4D Edge North	7/14	60° 19.98'	-176° 59.02'	78	6.0	0	0	0	0	0	105	0
7355	4D	4D Edge North	7/13	60° 19.87'	-177° 18.99'	81	6.0	0	0	0	0	0	54	0
7356	4D	4D Edge North	6/18	60° 19.98'	-177° 39.01'	77	6.0	53	2	32	4	0	105	0
7357	4D	4D Edge North	6/17	60° 19.96'	-177° 58.99'	84	6.0	145	4	20	3	0	120	0
7358	4D	4D Edge North	6/17	60° 19.96'	-178° 19.01'	93	6.0	50	3	133	18	0	100	0
7359	4D	4D Edge North	6/16	60° 20.05'	-178° 39.00'	182	6.0	94	5	89	12	5	0	0
7360	4D	4D Edge North	7/14	60° 29.86'	-176° 38.00'	71	6.0	64	3	4	1	0	70	0
7361	4D	4D Edge North	7/14	60° 29.83'	-176° 58.99'	76	6.0	0	0	0	0	0	50	0
7362	4D	4D Edge North	7/13	60° 29.90'	-177° 19.00'	82	6.0	0	0	0	0	0	30	0
7363	4D	4D Edge North	7/13	60° 29.95'	-177° 39.00'	84	6.0	28	1	8	1	0	65	0
7364	4D	4D Edge North	6/14	60° 29.87'	-177° 59.02'	84	6.1	148	3	20	3	0	106	0
7365	4D	4D Edge North	6/14	60° 29.90'	-178° 19.05'	91	6.0	0	0	19	3	0	144	0
7366	4D	4D Edge North	6/15	60° 30.08'	-178° 39.06'	120	6.0	282	14	76	10	0	154	0
7367	4D	4D Edge North	6/15	60° 29.93'	-178° 59.03'	203	6.0	456	20	67	9	0	0	0
7368	4D	4D Edge North	6/13	60° 39.86'	-177° 39.02'	83	6.0	39	1	0	0	0	115	0
7369	4D	4D Edge North	6/12	60° 39.85'	-177° 58.99'	89	6.0	26	1	0	0	0	130	0
7370	4D	4D Edge North	6/14	60° 39.96'	-178° 19.04'	90	6.0	105	4	24	3	0	70	0
7371	4D	4D Edge North	6/15	60° 39.92'	-178° 39.01'	107	6.0	0	0	8	1	0	80	0
7372	4D	4D Edge North	6/13	60° 49.92'	-177° 38.99'	76	6.0	41	1	7	1	0	215	0
7373	4D	4D Edge North	6/12	60° 49.88'	-177° 58.98'	82	6.0	179	3	11	2	0	170	0
7374	4D	4D Edge North	6/12	60° 49.97'	-178° 19.02'	91	6.1	15	1	8	1	0	126	0
7375	4D	4D Edge North	6/11	61° 00.01'	-177° 59.07'	80	6.0	13	1	0	0	0	190	0
7376	4D	4D Edge North	6/11	61° 10.02'	-177° 39.02'	76	6.0	96	2	0	0	0	190	0
7800	4D	4D Edge South	7/14	57° 50.45'	-174° 21.00'	370	6.0	0	0	0	0	25	0	20
7801	4D	4D Edge South	7/15	58° 30.48'	-174° 39.06'	413	6.0	0	0	0	0	5	0	5
7802	4D	4D Edge Central	7/1	58° 42.91'	-177° 52.99'	336	6.0	0	0	0	0	15	0	0
7803	4D	4D Edge Central	6/29	59° 20.02'	-177° 55.00'	315	6.0	0	0	0	0	0	0	0
7804	4D	4D Edge Central	6/24	59° 18.38'	-178° 14.03'	260	6.0	685	28	26	3	0	0	10

¹ Skate = 1,800' groundline, 16/0 circle hooks at 18' spacing, 24"-42" gangions.

² Weights calculated from length-weight tables.

³ Bycatch extrapolated from 20% subsample, except 2B (100%) and select stations in 2A

2016 IPHC Stock Assessment Survey All Regions

Station	Reg Area	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set ¹	O32 Halibut		U32 Halibut		Bycatch (numbers) ³		
								Lbs. ²	#'s	Lbs. ²	#'s	Sablefish	P. Cod	Rockfish
7805	4D	4D Edge North	6/26	60° 00.18'	-178° 56.18'	114	6.0	202	12	72	10	0	30	0
7806	4D	4D Edge North	6/16	60° 19.88'	-178° 59.02'	352	6.0	0	0	0	0	0	0	0
9521	4D	4D Edge North	7/28	60° 10.00'	-172° 20.02'	30	6.0	134	4	4	1	0	50	0
9522	4D	4D Edge North	7/28	60° 09.95'	-172° 41.02'	28	6.0	163	10	38	5	0	155	0
9523	4D	4D Edge North	7/28	60° 19.98'	-172° 04.01'	31	6.0	0	0	0	0	0	15	0
9524	4D	4D Edge North	7/27	60° 19.95'	-172° 46.00'	9	6.0	818	33	61	7	0	10	0
9525	4D	4D Edge North	7/27	60° 20.01'	-173° 04.03'	27	6.0	48	3	11	1	0	130	0
9526	4D	4D Edge North	7/29	60° 29.90'	-172° 25.99'	29	6.0	151	5	0	0	0	180	0
9527	4D	4D Edge North	7/29	60° 29.93'	-172° 44.99'	18	6.0	183	11	55	7	0	134	0
9528	4D	4D Edge North	7/27	60° 30.03'	-173° 08.36'	12	6.0	1,206	44	92	11	0	0	0
9530	4D	4D Edge North	7/29	60° 40.02'	-172° 47.01'	21	6.0	324	12	62	9	0	100	0
1351 Total Effective Stations							Totals	727,104	35,490	329,705	44,299	10,095	34,498	7,934

¹ Skate = 1,800' groundline, 16/0 circle hooks at 18' spacing, 24"-42" gangions.

² Weights calculated from length-weight tables.

³ Bycatch extrapolated from 20% subsample, except 2B (100%) and select stations in 2A